



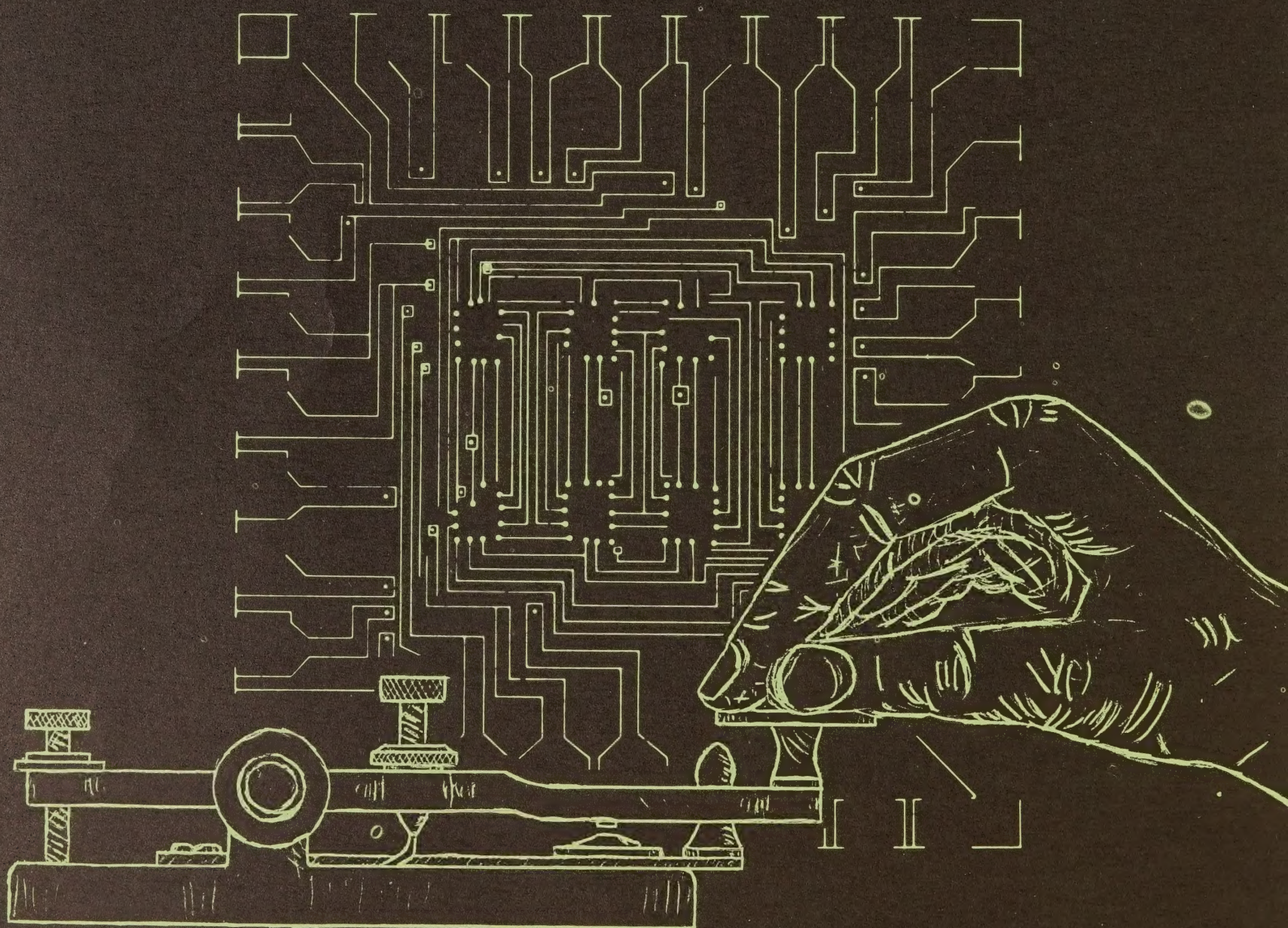
1972 YEAR BOOK

*Veteran Wireless Operators
Association, Inc.*

**Serving industry and government for forty-six years
with college-level educational programs
in electronic engineering technology.**



CAPITOL RADIO ENGINEERING INSTITUTE
FOUNDED IN 1927 BY E. H. RIETZKE
A DIVISION OF THE MCGRAW-HILL
CONTINUING EDUCATION COMPANY
3939 WISCONSIN AVENUE
WASHINGTON, D. C. 20016



**CREI salutes the V.W.O.A. for its contributions
to the advancement of science and technology.**

VETERAN WIRELESS OPERATORS ASSOCIATION, INC.



NEWSLETTER

JANUARY - FEBRUARY

1972

President
J.R. Poppele

Secretary-Treasurer
Matthew Camillo

Newsletter
Patrick O'Keeffe

Business Office: 66 Hallberg Avenue, Bergenfield, N.J. 07621

From all accounts (this writer wasn't present), the 47th Annual Memorial Awards Banquet was another highly successful affair, with a shower of bouquets due Banquet Chairman, Bob Knell. As previously, it was held at the New York Sheraton Hotel, formerly Park-Sheraton. The reception hour began at 5:45 in the Oriental Room, after which all members and guests moved into the Corinthian Room for dinner. VWOA Chaplain, the Rev. William Haynsworth delivered the invocation and offered a prayer on behalf of those present for our recently deceased Honorary President, David Sarnoff. Before sitting down to dinner, all joined in singing "God Bless America."

The Memorial Awards ceremonies began at 8:00. All recipients except two were on hand to receive their awards in person. Regrettably, John S. Anderson, awarded a Marconi Memorial Gold Medal of Achievement, was unable to appear because of bad flying weather; and Karl Baarslag, awarded a Marconi Memorial Gold Medal of Honor, was forced to cancel a flight from Florida at the last moment because of his wife's illness. Karl, however, telegraphed his regrets with the following bit of "doggerel" (his word).

The rewards of old age are few and slight;
Its burdens increase and are many.
Regret inability to be with you tonight,
To receive such a fine award -- the VWOA's own Emmy.

Karl Baarslag, ex KUOT, WSBO, and many more.

Frank King, VWOA Board Chairman, was master of ceremonies, and VWOA President Jack Poppele presented the awards -- the De Forest Audion Award Gold Medal to Frank Borsody, and a Marconi Memorial Gold Medal of Merit to R/Adm. Benjamin Katz; and Honorary and Life Membership scrolls to Harvey Gernsback and Viggo Madsen respectively. John Anderson's medal was accepted by a member of the ARINC organization, Jim Mulhern, and Karl Baarslag's medal by Chairman Alton Daley of the Awards Committee.

The guest speaker of the evening was Barry Farber, the noted WOR radio moderator and commentator. Barry delivered a concise and highly interesting talk on the art of communication, both by dots and dashes and the spoken word.

The beautiful floral arrangement for the dais was again grown and donated by Marguerite Warshaw, wife of Dave Warshaw.

VWOA Secretary-Treasurer, Matty Camillo sounded a welcome in Morse code, and Art Goodnow, of Westinghouse Broadcasting Corp., entertained with a tape recording of radio signals on 500 kc from the "Queen Mary" as she left New York harbor on her last trans-Atlantic voyage prior to heading for Long Beach, California. The tape also included more recent recordings of radio signals of American and European coast stations communicating with ships on 500 kc.

Attendance at the banquet was slightly off because of weather conditions and sickness (including the Newsletter editor, laid up with a severe cold), but it came close to the anticipated 150. General McNitt, President of ITT World Communications, was again with us, together with his wife. And with us for the first time was Mrs. M.A. Murdock, who, as Administrative Assistant to Gene Rietzke at CREI, has for several years supervised the printing and mailing of the VWOA Newsletter. Together with her husband, she enjoyed meeting a few of the members who hitherto had been only names to her in the Newsletter.

Another surprise visitor, all the way up from Florida with his wife, Kathryn, was Reg Iversen, Life Member and former VWOA Assistant Secretary. For almost fifty years prior to retiring in 1969, Reg was chief engineer and assistant director of the New York Times communications department, and constructed the New York Times radio station WHD.

Another old timer from distant parts was Arthur Batcheller, retired Engineer-in-Charge of the FCC New York District Office. Arthur again braved with his sister the snows of Massachusetts and New York to attend another VWOA Awards Banquet. Arthur has a valuable collection of radio memorabilia, accumulated during his long career in radio communications, and he offered to contribute both material and money toward the establishing of a VWOA museum. We might say here that such a project has been under consideration by the VWOA board of directors for some time and is being explored. It is hoped that, within a year or so, definite arrangements for such a museum and its location will be concluded and announced.

The Washington Chapter was well represented with First and Second National Vice Presidents, Eugene Rietzke and Tony Tamburino, and former President, Harvey Butt, and two chapter members receiving awards. Bill Derr also came up again this year. Other former VWOA big brass present were ex-presidents, Hat Wilks and Larry Jameson, and past Secretary-Treasurer, Dick Griffiths.

June and Mrs. Jack Poppele again formed a gracious hostess reception committee. The hosts for the reception hour refreshments were the Columbia Broadcasting System, Phil Simms Orchestra, RCA Service Company, Eugene Rietzke, Tele-Measurements Inc., and VWOA.

At the conclusion of the awards ceremonies, Phil Simms and his orchestra provided dance music and entertainment until 1:00 a.m. It was another

enjoyable evening and, as always, the only regrets were that not all our members were able to share in it, because of distance or other reasons. Among those who sent in their regrets were Earle Wohler, who wrote that he and KYL Freda don't like flying and it's too far to hitch-hike from California, and Louis Korn, who was absent because of his wife's cataract operation.

The printing of the 1972 Year Book, with photos and brief profiles of the 1972 awards recipients, was delayed, and copies weren't available for distribution at the banquet. However, a copy is to be mailed gratis to each member. The Year Book again will contain a complete list of members. Once again we were gratified by the number of members and well-wishers who contributed to the support of the Year Book with entries on the "73" pages, and of the companies who placed advertising in it.

* * * * *

The February meeting of the Washington, D.C., Chapter was held at the Hospitality House Motor Inn, 2000 Jefferson Davis Highway, Arlington, Va., on Tuesday evening, February 8. Altogether there were thirty-two members and guests present, a number that made for an enlivening Happy Hour preceding the dinner.

After a substantial sirloin of beef dinner, Chairman Charlie Concannon opened the meeting. The readings of the minutes of the previous meeting and the secretary-treasurer's report were dispensed with, the better to get on with the business at hand. The chairman of the nominating committee, R/Adm. Ben Katz, reported that his committee had voted the following nominations for the 1972-74 slate of chapter officers: chairman, James A. (Bill) Sutherland; vice chairman, Russell A. (Lucky) Langdon; secretary-treasurer, Huron C. Moore.

All three nominations were duly accepted, seconded, and approved by acclamation. The new officers will assume office at the next chapter meeting, tentatively scheduled for Tuesday, May 9, 1972.

The chairman then introduced Mrs. M.A. Murdock and her husband, guests of the Washington Chapter. Here, too, Mrs. Murdock was meeting for the first time some of the men whose names she had become familiar with through the Newsletter.

The guest speaker of the evening was Brig-Gen. Charles M. Baer, USA (ret.) who, after thirty-four years of service with the Signal Corps, retired from the Army to become chief engineer of the International Telecommunications Union. General Baer related how, as an ex-Western Union CW operator, he once strayed into a Fort Monmouth training school for CW operators and amazed the class with his ability to copy perfectly up to 50 wpm while carrying on a conversation.

General Baer spoke on satellite communications. He described the Global Satellite System and the origins and inside workings of COMSAT, the parts played by the FCC and NASA, and the set-up of the board of directors. General Baer gave a detailed account of the establishment of the International

Telecommunications Satellite Consortium, its purpose, membership, and representation, and ended with a description of the launching of the world's first commercial communications satellite, EARLY BIRD, and its successors. At the conclusion of his fascinating talk, General Baer gave out copies of the "Pocket Guide to the Global Satellite System."

Those attending were John C. Anderson, Sr.; John C. Abernethy; Lt. Cdr. and Mrs. Aymay (guests of Ben Katz); Brig-Gen and Mrs. Baer (Chapter guests); Harvey Butt, Sr.; Aubrey and Mrs. Childers; Mildred and Charlie Concannon; Tex and Mrs. De Bardeleben; Bill Derr; George Hamilton; Jimmy Jones; Ben and Bea Katz; "Lucky" Langdon; Helen and Leroy Mickey; Evelyn and Huron Moore; Mr. and Mrs. M. A. Murdock (Chapter guests); Jim Mulhern; John and Mrs. Swofford; Tony and Mrs. Tamburino; Marty and Mrs. Twite.

"Bill" Sutherland, the newly elected chairman, had made reservations for himself and his wife, but both were down with the flu and unable to attend; they were wished a speedy recovery. Dave and Alice Little sent their regrets for non-appearance, being on a visit to friends in Arizona.

* * * * *

With profound sorrow we mourn the passing of three members: Fred J. Gomme, Francis Keefe, and Ralph R. Rickey.

Fred Gomme was born in Amityville, N.Y., in 1909 and studied for a commercial operator's license at the Radio Institute of America. In 1927, he shipped out of the East Coast in tankers and freighters. In 1934, he joined Tropical Radio and sailed in United Fruit passenger ships. He eventually came ashore as assistant radio inspector for TRT. In 1947, he went to Central America as assistant operations engineer and modernized Tropical Radio's radio voice in Guatemala, Honduras, Costa Rica, and Panama. He returned to the United States in 1951. After a brief spell with Sperry Gyroscope Company, he joined NBC as TV film audio engineer, and was still with NBC when he died of a heart attack at his home in Jackson Heights, N.Y., on January 31. Fred's membership in VWOA dated back to 1939; in 1962, he subscribed for a Life Membership; he had long been a director, and served a term as secretary and on a number of committees. He was a keen stamp collector and ham operator. K2RZZ will be missed on the VWOA weekly net.

Frank Keefe's membership in VWOA dated back to 1958. Frank was a native of Cork, Ireland. His father was Superintendent of Telegraphs at Queenstown (now Cobh), and Frank and six brothers worked in England as telegraphists for the British Post Office. Frank served with the British Army during World War I, and came to the United States after the Armistice. He went to work with Western Union and eventually was made a district manager. In 1942, he joined the Intelligence Division of the FCC. In 1953, he became Assistant to the Chief, Field Engineering Bureau, FCC, Washington, D.C. Frank retired in 1964, and he and his wife moved to Waverly, N.Y., to live near one of their daughters. In retirement, he kept busy in ham radio with his station W2AFB/NØFYX, belonging to several amateur organizations and taking part in a number of nets. His daughter, Barbara St. Cyr. advised us

that Frank died suddenly and unexpectedly on November 20.

Ralph Rickey was a comparative newcomer to VWOA, having joined in 1967. Ralph first went to sea as a radio officer in 1940, and served in American-flag merchant ships and United States Navy craft until 1946. He then joined Mackay Marine as a service engineer. In 1965, he was promoted to Marine Service Manager. Ralph was hospitalized in February, following a cerebral hemorrhage, and died a week later without regaining consciousness.

Three new members recently welcomed into the Association are John S. Anderson, Erwin Aymar, and Michael J. Ruskin.

John Anderson studied for a commercial radio telegraph license at the RCA Institute in New York City. He made two trips in the freighter, "Susherico" out of Port Newark to the West Coast, and then returned in 1927 to Nebraska to take a course in electrical engineering at the University of Nebraska. While attending the University, he worked as broadcast operator at stations KFOR and KFAB, in Lincoln, Nebraska. In 1929, he joined the Boeing Air Transport Company, and advanced to Superintendent of Communications, Western Division. During World War II, John served with the U.S. Army, mainly in command assignments in air communications. After the war, he joined Aeronautical Radio, Inc., and is now chairman of the board.

Erwin Aymar served as a wireless operator in various merchant vessels after leaving high school in Providence, R.I., in 1919. Among his first ships were the "Gloucester," "West Ekonk," and "Catherine". Other service included week-end reliefs in Long Island Sound vessels and E.P. Halliburton's yacht, "Vida." After taking a two-year training course with Western Union, Erwin was assigned to the engineering department. He spent five years with Western Electric, servicing theatre sound equipment, and four years as chief electrician of a gold mine in Honduras. Between 1940 and 1941, he was an FCC assistant engineer in charge of a monitoring station located in Puerto Rico. During World War II, he sailed for three years aboard the USS "Blue Ridge" as Electronics Officer. After the war, he served in Japan, Korea, and the U.S. Erwin retired from the Navy in 1961 with the rank of commander. He operates ham station W3SU, and is already a familiar key on the VWOA weekly net.

Michael Ruskin is a graduate of the old Marconi School in New York City, receiving his "ticket" in 1918. He sailed in Standard Oil tankers, and also worked a spell at the Brooklyn Navy Yard in maintenance and repair for the Navy. Michael then got married and left radio for a more lucrative field, but didn't tell us what. After a lapse of forty years, he returned to radio as a ham in 1960 with station WA4WDP, in North Bay Village, Florida.

We are pleased to report that Frank O. Braynard, Honorary Member, noted marine historian and artist, has accepted appointment by the board of directors as official VWOA historian succeeding Bill Simon, recently deceased. We are also happy to report that Frank's first volume on the great "Leviathan" has successfully navigated the financial reefs and should hove into view before very long.

VWOA wishes Donald de Neuf many years of happy retirement. Don sailed as radio officer in the early 1920's aboard such West Coast ships as the "Lurline," "Matsonia," "President Garfield." In 1930, he joined Press Wireless as a vice president. During World War II, he served in the U.S. Navy Reserve. After the war, he became General Manager of Northeast Radio Corporation. He rejoined ITT Press Wireless in 1957 as executive vice president, and was made president in 1963. He was decorated by the Italian Government in 1964 for his assistance to CIRM in its work of providing medical-aid service to ships at sea. Among the many well-wishing messages for Don on his retirement was one from Josef C. Nichols, UN Chief of Int'l & Satellite Communications Unit, expressing deep appreciation of Don's work with the UN during world crises, such as the Cuban Missile crisis, whereby the UN Secretary-General was kept in close contact with UN Headquarters while in Havana.

Don also answered our query in the last Newsletter as to the origin of the term "lid." Don believes it was used in the early days of Morse telegraphy, and was applied to any operator, green or otherwise, who lacked skill in sending or receiving, fumbling his own keying or breaking a sender for repeats. This, according to Don, acted like putting a lid on something, in effect slowing down the transmission of information.

Frank Borsody, another old-time land-line operator, offered a similar theory on the origin of the word. Frank suggested that when a wire supervisor received complaints about a poor operator, he would be asked to lift him, in the sense of lifting a "lid" or cover of some sort that was slowing down a process. These two opinions would seem to confirm that the use of "lid" among radio operators is a carry-over from land-line telegraphy.

Carl Nelson also answered Karl Baarslag's inquiry concerning the whereabouts of Don McNichols, and since others of our members may wish to know what became of Don, we give Carl's answer here. Carl wrote that Don was his technical assistant on the defunct "Wire & Communications" magazine, and passed away in 1953.

Frank Borsody also came up with a query of his own: Who originally proposed or used the "Q" signal "QLF," meaning, "Now try sending your left foot?" Henry Paulisen might be able to answer that one, since Henry mentioned this feat with the foot (pardon the pun) at the last VWOA fall get-together when the query about the origin of "lid" was voiced.

Responding to our request for personal items of news from members, Howard Pyle wrote that he would like to offer something cheerful, but had just experienced what was probably the worst year he can remember. He hopes that 1972 will be kinder to him. Howard's wife passed away in June 1970, despite heroic efforts by doctors to save her life. Immediately following this blow, Howard himself had to undergo radium treatments and finally surgery, with four hospitalizations and attended by four specialists. Howard was discharged last November for one year of convalescence.

Howard was obviously in no condition to care for his home and landscaped grounds, and so was forced to dispose of his property and enter a retirement community in Panorama City, seventy-five miles south of Seattle.

Howard is showing gradual improvement, and expects to be completely cured within a year or so. He will be remembered by old timers for his books and prolific output of magazine and newspaper articles on radio. VWOA wishes Howard a full and speedy recovery and a quick return to the "mill" and his literary work. Howard hopes that we'll convey through the Newsletter - to his numerous former brass-pounder friends his reason for being unable to keep up his correspondence with them. Knowing that all will be anxious to send him cheering letters and get-well cards, we include his new address: 313 Chinook Apts., Lacey, Washington 98503.

Frank Borsody wrote us that Fred Schnell has been seriously ill for the past two years, but seems well on the way to recovery. Fred will be remembered by old timers as chief radio officer of the S.S. "George Washington" when she carried President Wilson to France to sign the World War I Peace Treaty. Fred will also be recalled as the first ham ever to work two-way across the Atlantic on short wave (100 meters), and as the first ARRL communications and traffic manager. Fred was in charge of the radio tests made by the Navy for a non-magnetic-ship expedition to the Antarctic. He retired with the rank of Captain, USNR.

Frank Borsody knew Fred closely when Fred was chief radio engineer with the Police and Fire Departments and Frank was chief radio engineer and supervisor for the New York Fire Department in the 1920s. Fred and his wife, Pauline live near Frank and his wife in Florida.

Jack Poppele wishes that with so many of our members retired in Florida and time on their hands they would push aside their martinis for a few moments and reminisce for the Newsletter. He believes that there must be a mine of interesting wireless and radio material lying dormant along the Goldcoast and could perhaps be brought to the surface under a heading such as VWOA NEWS FROM THE GOLDCOAST.

For a retired man, George Duvall is no slouch. George was recently appointed Director of Civil Defense for the township of Shelter Island, N.Y., where he had served as Deputy Director for several years. His AUXCG duties also are mounting. He was appointed Regional Editor of the Auxiliary Monthly Bulletin, covering the entire Northern Area of the Third District, and is responsible for editing all the material sent in by the divisions of this area and forwarding it to headquarters on Governor Island for printing. This is in addition to acting as Operational and Communications Officer for Division 18 and serving as Commander, Shelter Island Flotilla, scheduling safety patrols, conducting training and exams, and monitoring radio calls. No slouch is right!

MEMBERSHIP LIST

Deceased

Fred J. Gomm

Francis Keefe

Ralph R. Rickey

All other changes are shown in the 1972 Year Book.



Digitized by the Internet Archive
in 2025 with funding from
Amateur Radio Digital Communications, Grant 151

<https://archive.org/details/chrs-lib-16>

**THE
VETERAN WIRELESS OPERATORS
ASSOCIATION**



FORTY-SEVENTH ANNIVERSARY

1972 *Year Book*

ISSUED

**IN CONJUNCTION WITH THE FORTY-SEVENTH ANNUAL
MEMORIAL AWARDS BANQUET**

NEW YORK SHERATON HOTEL

NEW YORK, N. Y.

SATURDAY, FEBRUARY 26, 1972

GREETINGS TO

THE VETERAN WIRELESS OPERATORS

FROM

ITT World Communications Inc.

JAMES R. McNITT, President



THE VETERAN WIRELESS OPERATORS ASSOCIATION

(INCORPORATED)

Post Office Box No. 35, Church Street Station
New York, N.Y. 10008

Honorary President
DAVID SARNOFF
Deceased 1971

OFFICERS 1971-72

President
J. R. POPPELE

1st Vice President
EUGENE H. RIETZKE

2nd Vice President
ANTHONY C. TAMBURINO

Historian
FRANK O. BRAYNARD

Secretary-Treasurer
MATTHEW CAMILLO

Assistant Secretary
EMMA P. OELLRICH

Chaplain
REV. WILLIAM HAYNSWORTH

Washington, D.C.
Chapter Chairman: James A. Sutherland

* * * * *

BOARD OF DIRECTORS

PAUL ANSELMO
ARA Time Program
HARRY BOYLE
RCA Mobile Sales Div.
HARVEY R. BUTT
Kelvin Hughes Am. Corp.
MATTHEW CAMILLO
CBS Radio TV (Ret.)
ALTON J. DALEY
RCA Global Com.
GEORGE F. DUVALL
Coast Guard Aux.
RICHARD C. GRIFFITHS
Marconi Int'l Marine Co. (Ret.)

LAWRENCE D. JAMESON
RCA Service Co. (Ret.)
FRANKLIN T. KING
RCA Service Co.
ROBERT H. KNELL
RCA Global Com.
PATRICK O'KEEFFE
United Fruit Co. (Ret.)
J.R. POPPELE
Tele-Measurements Inc.
GEORGE B. RILEY
WOR-TV
EUGENE H. RIETZKE
CREI McGraw-Hill

Banquet
ROBERT H. KNELL

Resident Agent
LT. COL. WILLARD S. WILSON

Newsletter & Year Book
PATRICK O'KEEFFE

Advertising
EDGAR S. JOHNSON

Amateur Network
H. C. WILKS

Legal Counsel
CLARENCE SEID

* * * * *

COMMITTEE CHAIRMEN

Memorial Awards & Monument
ALTON J. DALEY

Membership
MATTHEW CAMILLO

Audit
ALTON J. DALEY

* * * * *

Master of Ceremonies
FRANKLIN T. KING

Floral
MARGUERITE WARSHAW

Reservations
JUNE POPPELE

* * * * *

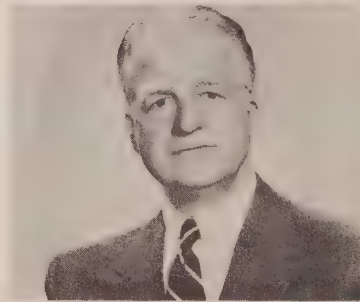
PAST PRESIDENTS

FRED A. KLINGENSCHMITT
JAMES F. J. MAHER
FRED MULLER
GEORGE H. CLARK

WILLIAM J. MCGONIGLE
RAYMOND F. GUY
ELMO N. PICKERILL

WM C. SIMON
HARVEY R. BUTT
LAWRENCE D. JAMESON
HATTON C. WILKS

The President's Message



On this occasion of the 47th Annual Memorial Awards Banquet, held at the re-named Hotel New York Sheraton, we should pause and reflect on the amazing advances achieved in radio communications over the past fifty years, from wireless telegraphy to outer space telemetry.

Many of our members have made outstanding contributions to this progress, not only through research and inventiveness, but also in recording its history. Tonight we honor four men with the presentation of the De Forest Audion Award Gold Medal to B. Frank Borsody and Marconi Memorial Gold Medals to John S. Anderson, Karl Baarslag, and Rear Admiral Benjamin Katz.

The De Forest Audion Award recognizes the achievements of men who have distinguished themselves in work of wide scope within the electronics field; the Marconi Memorial Gold Medal gives recognition to men whose achievements have been attained in more specialized endeavors.

The award of Honorary Membership to M. Harvey Gernsback restores to our rolls a name of revered memory, and the award of Life Membership to Viggo Madsen is a token of thanks for his devotion to the Association and his past work in its behalf.

We were deeply saddened during 1971 by the irreparable loss of our distinguished and beloved Honorary President, David Sarnoff. We shall ever hold his memory in profound reverence, and also with pride as a fellow wireless operator who became the giant in the communications industry.

We were also deeply saddened by the passing of ten other members during the past year. Among them were two who had served the Association well -- Bill Simon and Fred Gommo. Bill was among the first to join the Association when it was founded forty-seven years ago, and was successively elected director, treasurer, secretary, and finally president. Fred served as director and secretary, and chairman of various committees.

I am pleased to report the addition to the roster in 1971 of fourteen new members, offsetting the attrition due to deaths and resignations.

I extend a sincere welcome to the newly elected officers of the Washington Chapter: James A. (Bill) Sutherland, Chairman; Russell A. (Lucky) Langdon, Vice Chairman; and Huron C. Moore, Secretary-Treasurer.

I offer my deep thanks to officers and directors, and to all committee chairmen and their members, for their unselfish work in behalf of the Association. I give especial thanks for the support given the ideals of the Association by the companies who placed advertisements in the 1972 Year Book, as well as by the many who contributed generously to the "73" pages and the banquet reception hour.

In conclusion, I wish to pay a final and personal salute to Radio Station WOR, with which I was associated for thirty-five years, on the occasion of the station's fiftieth anniversary on February 22, 1972.

J. R. Poppele
President

HONORARY PRESIDENT

FIRST LIFE MEMBER



DAVID SARNOFF

"DS"

1891-1971

THE MARCONI MEMORIAL GOLD MEDAL OF ACHIEVEMENT



DAVID SARNOFF

AS ITS initial tribute to a former wireless operator who has risen to a position of prominence in the business world, the Veteran Wireless Operators Association presents this year the Marconi Memorial Gold Medal of Achievement to David Sarnoff, wireless operator at Siasconsett station in 1908, president of the Radio Corporation of America since 1930. Coming to this country in 1900 as a boy of nine, unable to speak the language of his new home, David Sarnoff has risen by sheer force of his own character and efforts to his present commanding position in the wireless field. What he has done, any operator might do, if he has the patience, the courage, the vision, and the persistence of ex-operator David Sarnoff.

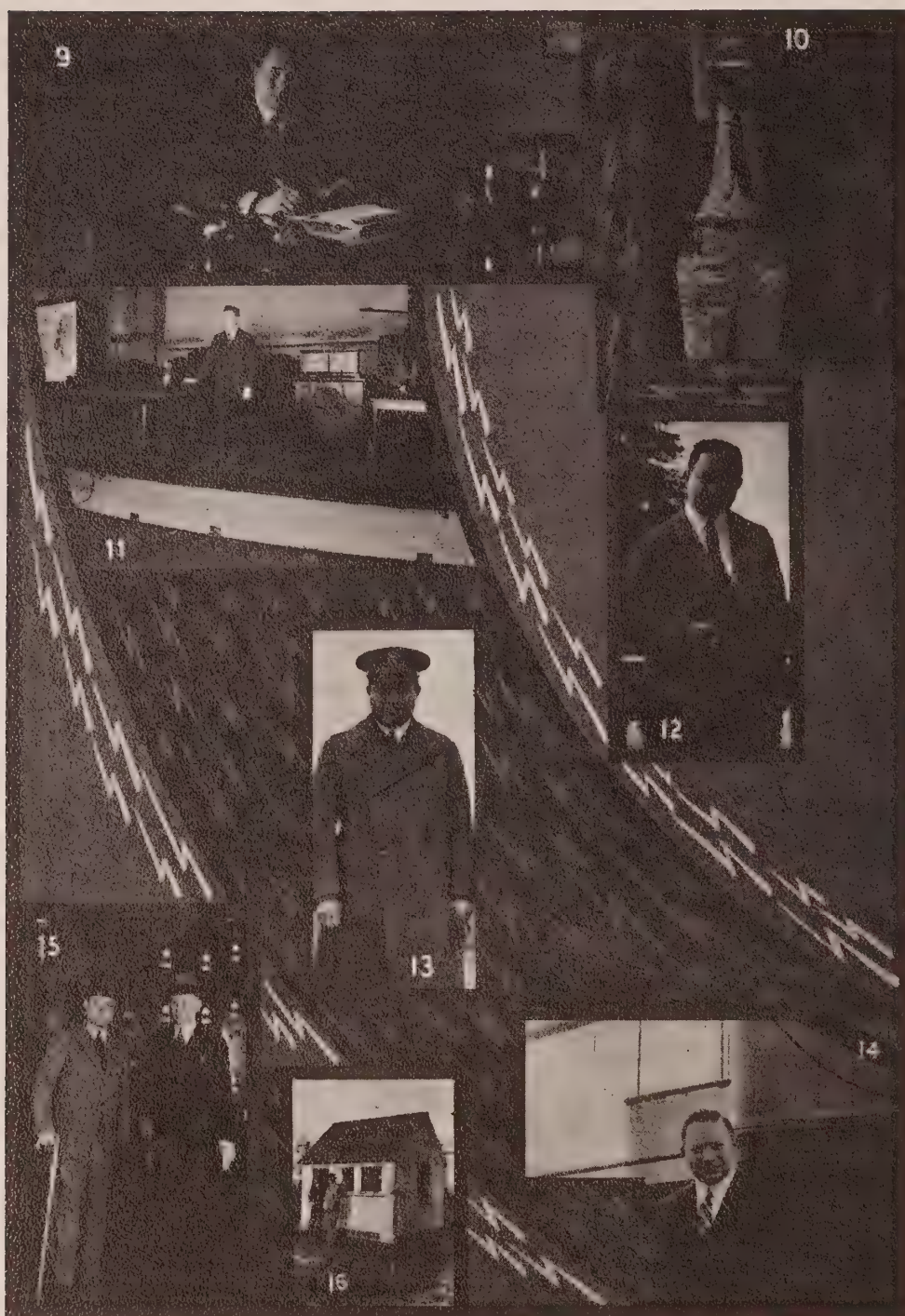
In earlier cruises of our Association, we have been granted by R.C.A. Communications, Inc., the courtesy of a "wire" to one or many foreign countries, the giant transmitter at Rocky Point being controlled by a key on the speakers' table at our dinner. Invariably it was Mr. Sarnoff who accepted the invitation to handle the key, and many of those who are present at our Fourteenth Annual Cruise recall his speedy and accurate sending on those occasions. Even in those days, operating was for him many years in the background, yet he still retained his interest in it, and his ability. To this day, he chats back and forth, between the RCA Building uptown and 66 Broad Street downtown, with Mr. Winterbottom by means of the old-time Morse key, although he could fairly easily obtain telephone service for the purpose.

Our Association has for many years presented a gold medal for meritorious service in the saving of life at sea. Last year it added to this a medal for the radio amateur who exhibited the greatest knowledge on engineering matters connected with his avocation. This year, it goes still farther, into the executive field, and the medal awarded to Mr. Sarnoff for the achievements which he, a former wireless operator, has attained in the radio field, is the first of this new series. The VWOA is proud of its distinguished, and first Life Member.



DAVID SARNOFF

1—On duty as wireless operator, at 'Sconset, 1908. 2—Wireless operator, S.S. Harvard, 1911. 3—On S.S. Beothic, sailing to the Arctic ice-fields, 1911. 4—As a student at Pratt Institute, 1912. 5—On duty at the Wanamaker Radio Station, New York City, 1912. It was at this station that Mr. Sarnoff received the messages relating to the ill-fated Titanic. 6—Chief Radio Inspector, 1913. 7—Making the first test of radio equipment on a train, on the D. L. & W. R.R., 1913. 8—On S.S. Momus, en route South, on Engineering assignment, 1913.



DAVID SARNOFF

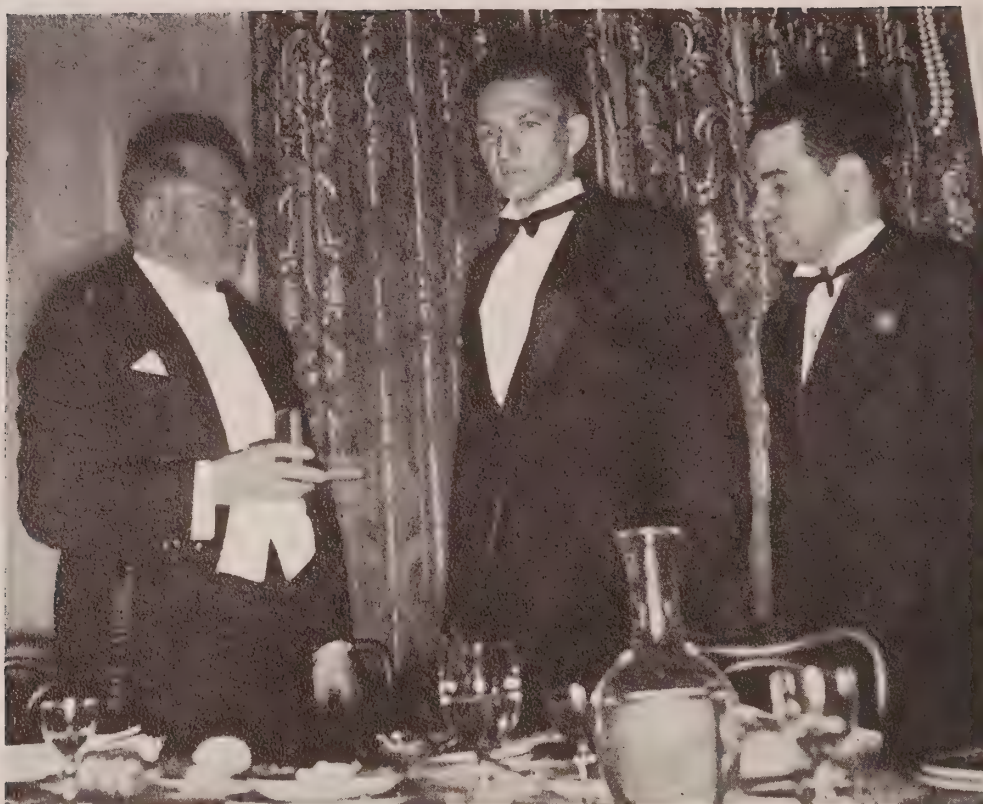
9—Commercial Manager of the new RCA, Woolworth Building, New York, 1919. 10—Visiting Radio Central, Long Island, 1922. 11—Lecturing before New York Electrical Society, 1924. 12—Visiting Wireless Station in France, 1928. 13—Lieutenant-Colonel, U. S. Signal Corps Reserve, on military duty, April, 1930. 14—Visiting Senatore Marconi on his yacht, Elettra, 1932. 15—With Senatore Marconi at Rocky Point, October, 1933. 16—Mr. Sarnoff and Senatore Marconi inspect the first shore station of the American Marconi Co., formerly located at Babylon, Long Island, and now preserved as a historic exhibit at Rocky Point, L. I., 1933.

WITH VWOA



The Wireless Operators Monument, Battery Park, N.Y.C. Left to right: General David Sarnoff, Senatore Guglielmo Marconi, George de Sousa and Charles Ross, Marconi officials, stand by as the Senatore lays a wreath on the Monument in tribute to those wireless operators who gave their lives in performance of duty at sea.

WITH VWOA



Award of the VWOA Marconi Medal of Valor at the 13th Annual Dinner-Cruise. Left to right: David Sarnoff, presenting award, Carl O. Petersen, Wm. J. McGonigle.



Hal Styles, Chairman Los Angeles-Hollywood Chapter VWOA, David Sarnoff, President RCA (occasion special luncheon in Los Angeles to Mr. Sarnoff) Dr. Lee de Forest, Honorary President VWOA.

WITH VWOA



L. to R. William J. McGonigle, President VWOA; Dr. Lee de Forest; General David Sarnoff, President, Radio Corporation of America.

Photo taken January 28, 1947 on the occasion of the presentation of the Edison Medal of the American Institute of Electrical Engineers to Dr. Lee de Forest. Presentation was made by VWOA Life Member, General David Sarnoff.



Photo taken at 1957 VWOA Dinner-Cruise at which General James D. O'Connell Chief Signal Officer of the Army was made an Honorary Member, VWOA; General Sarnoff (second left) received VWOA's First Lee de Forest Gold Medal and George W. Bailey former President of AFCEA accepted the VWOA Plaque in their behalf. William J. McGonigle, VWOA President made the presentation.

Veteran Wireless Operators Association

HONORARY MEMBERS

- FRED C. ALEXANDER
Director of Telecommunications
Management, Washington, D.C.
- GEORGE W. BAILEY
Institute of Radio Engineers
- FRANK O. BRAYNARD
Maritime Historian
- REAR ADM. H.C. BRUTON
USN (Ret.)
- ARTHUR L. BUDLONG (Ret.)
American Radio Relay League
- BRYAN S. DAVIS
President, Bryan Davis Publishing Company
- FRANCIS COLT de WOLF
Special Asst. Office of Telecommunications
and Maritime Affairs, Washington, D.C.
- LAWRENCE J. DUNN, D.D.S., F.A.C.D.
Chief Radio Aide, U.S. Army
- ADMIRAL JOSEPH F. FARLEY
Former Commandant,
U.S. Coast Guard
- RONALD FERGUSON, O.B.E.
The Marconi International Marine Co., Ltd.
Chelmsford, Essex, England
- JAMES L. FLY
Former Chairman F.C.C.
- JOHN A. GAMBLING
WOR Radio
- M. HARVEY GERNSBACK
Editor - Publisher
"Radio Electronics"
- SIR NORMAN THOMAS CARDINAL GILROY K.B.E.
Archbishop of Sydney, Australia
- DR. ALFRED GOLDSMITH
Consulting Engineer
- COL. A.H. GRISWOLD
Retired
- MAJOR-GENERAL HARRY C. INGLES
R.C.A. Communications (Ret.)
- HUBERT E. INGALLS
Retired
- CHARLES IZENSTARK
Wholesale Radio Distributor
- ROBERT H. KNELL
RCA Global Communications
- LENOX R. LOHR
President, Chicago Museum of
Science and Industry
- MAJOR-GENERAL J.O. MAUBORGNE
U.S. Army (Ret.) Deceased 1971
- PAUL D. MILES
Assistant Chief, Telecommunications
Management, Washington, D.C.
- NEVILLE MILLER
Former President N.A.B.
- CARL A. NELSON
Publisher (Ret.)
- MAJOR-GENERAL J. O'CONNELL
U.S. Army
- WILLIAM S. PALEY
Columbia Broadcasting System
- CURTIS B. PLUMMER
Executive Director
Federal Communications Commission
- WILLIAM A. READY
Former President, National Company
- NILES TRAMMEL
Formerly Chairman of the Board,
National Broadcasting Company
- COMMODORE E.M. WEBSTER
Former Commissioner, F.C.C.
- MARK WOODS
American Broadcasting Company

**Greetings to
The Veteran Wireless Operators
from
the veterans in wireless.**



Veterans in satellite and cable communications too.

800-325-3535

Sheraton Hotels and Motor Inns announce the reservation number to end all reservation numbers.

800-325-3535

The one reservation number for all Sheraton Hotels and Motor Inns in the world.

800-325-3535

Call it free Anytime from anywhere in the Continental United States.

800-325-3535

Call it free anytime and you'll get an immediate confirmation.

800-325-3535

Call it...or your travel agent will call it for you.



Sheraton Hotels & Motor Inns
800-325-3535
A WORLDWIDE SERVICE OF ITC

BEST WISHES TO MEMBERS AND FRIENDS OF V.W.O.A.

FROM

Radiomarine

The oldest name in marine electronics.

RADIOMARINE CORPORATION



A Subsidiary of Electronic Assistance Corporation

New York Office, 733 Third Avenue, New York, N.Y. 10017

Veteran Wireless Operators Association

LIFE MEMBERS

- A. BARBALATE (Ret.)
Charter Member
- JOHN A. BOSSEN (Ret.)
Charter Member
- CAPT. PIERRE BOUCHERON, USN (Ret.)
Fort Wayne, Indiana
- RAYMOND E. BROWN
Radio Officer
- HARVEY R. BUTT
Kelvin Hughes America Corporation
- MATTHEW CAMILLO
CBS Radio-TV
- SIR FRANCIS CHICESTER, K.B.E.
Aviator & Yachtsman
- CAPTAIN V.H. CONRADT-EBERLIN II,
U.S.N.R. (Ret.) Seattle, Washington
- AUSTIN G. COOLEY
Cooley Prototype Service
- GUY ENTWISTLE
President, Massachusetts Radio School (Ret.)
- PAUL GODLEY
Consulting Radio Engineer
- FRED J. GOMMO (Deceased 1972)
NBC Broadcasting Engineer-Audio & TV
- RICHARD C. GRIFFITHS
Marconi Int'l. Marine Co., Ltd. (Ret.)
- FRANK A. GUNTHER
President, Radio Eng. Labs.
- RAYMOND F. GUY (Ret.)
NBC Engineering Consultant
- W.J. HALLIGAN, SR. (Ret.)
Former Chairman of the Board
The Hallicrafters Co., III.
- CAPT. CHARLES W. HORN, U.S.N.R. (Ret.)
Mgfr. of Radio, TV & Electronic Components
- H.Q. HORNEIJ
Charter Member
- R.V. IVERSEN
New York Times WHD (Ret.)
- LAWRENCE D. JAMESON
RCA Service Company
- JAMES A. JOHNSON
Western Electric Co. (Ret.)
- G.W. JOHNSTONE
Ex-NBC-WOR-ABC
- MAJOR EDWIN F. LAKER
Farm-Green Valley Rd., Ijamsville, Md.
- ARTHUR H. LYNCH (W4DKJ) (Ret.)
Fort Myers, Florida
- GEORGE E. McEWEN (Ret.)
Charter Member (Deceased 1971)
- VIGGO MADSEN
Gulf Oil Corp. (Ret.)
- BENJAMIN F. MIESSNER
President, Miessner Inventions, Inc. and
Patent Equity Association
- MARTELL E. MONTGOMERY
Telecommunications Expert Int'l Civil
Aviation Organization of the U.N.
- FRANKLIN D. MORAN
Lt. Comdr. USN (Ret.)
- WALTER H. NUSSBAUM
Charter Member
- PATRICK O'KEEFFE
United Fruit Company (Ret.)
- FRANK ORTH
Charter Member; Manager, CBS
Radio Technical Operations (Ret.)
- ROBERT H. PHEYSEY
Com'l Supt. Tropical Radio Telegraph Co.
- J.R. POPPELE
Charter Member
Tele-Measurements, Clifton, J.J.
- E.H. RIETZKE
CREI-McGraw-Hill
- J. FRANK RIGBY
Vanby Corporation
- GENERAL DAVID SARNOFF (Deceased 1971)
Hon. Chairman of the Board
RCA Corporation
- WILLIAM C. SIMON
Mgr., Tropical Radio Service
Corporation (Ret.) (Deceased 1971)
- H.A. STEINBERG
Manufacturers Representative
- ANTHONY C. TAMBURINO
U.S. Navy Dept. (Ret.)
- JOHN B. TRACY, JR.
RCA Service Co.
- CAPTAIN ARTHUR F. VAN DYCK
Radio Corporation of America (Ret.)
- VICTOR VILLANDRE
Radio Corporation of America (Ret.)
- W. WALTER WATTS
Director, RCA Corporation
- GILSON V. WILLETS
Charter Member
Retired Engineer and Writer
- HATTON C. WILKS
RCA International (Ret.)
- LEWIS WINNER
Technical Relations Consultant

73

— . . .

GENERAL INSTRUMENT

CORP.

NEWARK N.J.

MFR'S OF COMPONENTS

FOR THE

ELECTRONICS INDUSTRY

VETERAN WIRELESS OPERATORS ASSOCIATION

De Forest Audion Award

B. FRANK BORSODY



B. FRANK BORSODY

The 1972 De Forest Audion Award honors Frank Borsody for his half century of dedicated service and achievements in the field of radio communications.

Frank Borsody began his long and distinguished career as a radio operator with the AEF in France during World War I. Post war, he worked first as a telegrapher and then as a ship radio officer. In 1926, he joined RCA as a transoceanic radio operator. In 1935, he was made manager of the RCA Communications Exhibit at the Chicago World's Fair.

From 1936 to 1942, Frank Borsody was manager and supervising radio engineer for the New York Fire Department. He made the field surveys, designed, and drew up the specifications for the Department's new radio system.

During World War II, Frank Borsody served in Trinidad as Chief Radio Engineer for the U.S.

War Department. He directed the construction and installation of more than 200 radio stations and systems in jungle and mountain terrain of the surrounding area; he initiated VHF-FM links between remote jungle airfields and bases, achieving a vast saving in time and equipment.

Frank Borsody was next assigned to the Third Naval District, New York City, where, with the rank of lieutenant commander, he served as Chief of Shore Electronics, responsible for engineering, specification, procurement, installation, and maintenance of all types of communications and electronic equipment in that area. From New York he went to the Far East as Radio Engineering Officer to C-in-C, Pacific Fleet. By V-J Day, he was Commanding Officer of the big Navy Station NPN, Guam.

After the war, Frank Borsody spent two years as research engineer with the Micamold Corporation. He served four years at the Pentagon as radio-frequency allocation and radio-frequency-regulatory engineer. He became Chief Radio Engineer in the Airways and Air Communications Service of the Air Force, with final and complete engineering responsibility for the Air Force's world-wide system of radio air navigational aids and communications.

Frank Borsody then joined the U.S. Foreign Service. In Iran, he helped the National Police to organize and install a radio network. In Greece, he drew the specifications for mobile communications systems for both the Athens and the Attica Police. He aided in planning new Interpol radio links to extend the world radio network of the International Police organization farther into Asia.

From 1961 to 1962, Frank Borsody advised the South Korean National Police on modernizing their telecommunications system, becoming Chief Adviser to the Minister of Communications. He held a similar position in South Vietnam with the Director of Posts and Telecommunications.

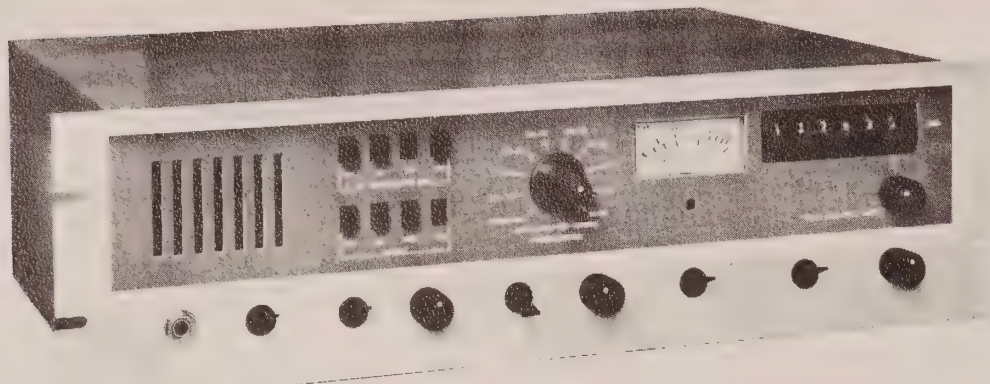
On leaving the Foreign Service in 1965, Frank Borsody volunteered for the ammunition run to Vietnam, and, after 40 years ashore, he returned to the sea. He made his last voyage in 1967-68. He has been a registered professional telecommunications engineer for the past 20 years and is a partner in the consulting firm of Borsody and Bairey. He is also a ham operator and can be heard on the air with amateur station K4EC.

Another Mackay first ...

Digitally synthesized

RADIO RECEIVER

MODEL 3020A



A rugged, solid state general purpose/maritime radio receiver providing continuous frequency coverage from 15 kHz to 29.9999 MHz.

Frequency selection accomplished by a digitally controlled synthesizer. Model 3020A is designed with minimum of trim components and easily replaceable printed circuits reducing maintenance time and cost.

Every Mackay Marine product backed by nationwide service. Licensed service engineers on call, 24-hours a day. Worldwide service through affiliated ITT Companies.

ITT 133 Terminal Avenue, Clark, N.J. (201) 381-2828

GRIFFITH MARINE NAVIGATION, INC.

79 Fourth Street ~ New Rochelle, N.Y. 10801

James T. Chapman — Geoff Tellet

Phones: (914) 636-4340 (212) 828-5554

Cable: GRI-MAR NEW ROCHELLE, N.Y.

TWX: 710-563-0617

Serving The Port of New York

SALES AND SERVICE ~ ALL MARINE ELECTRONIC EQUIPMENT

Tel. Mount Vernon 8-7215

McKEE ELECTRIC COMPANY, INC.

Sound & Communication Equipment Manufacturers & Distributors

152 East First Street

Mount Vernon, New York

Clarence A. McKee

VETERAN WIRELESS OPERATORS ASSOCIATION

Marconi Memorial Gold Medal of Achievement

JOHN S. ANDERSON



JOHN S. ANDERSON

The 1972 Marconi Memorial Gold Medal of Achievement honors John S. Anderson for his outstanding contributions to the advancement of aeronautical radio communications.

John Anderson was born in Seward, Nebraska, in 1909. While attending Seward High School, he passed for an amateur first-class radio license (9ALT). He studied for a commercial radio-operator license at the RCA Institute in New York City, and made two trips in the freighter "Susherico" from Port Newark to the West Coast. In 1927, he became a broadcast operator at stations KFOR and KFAB in Lincoln, and enrolled for a course in electrical engineering with the University of Nebraska.

In 1929, John Anderson joined the Boeing Air Transport Company. He held various managerial positions in communications, advancing to Superintendent of Communications, Western Division,

San Francisco. In 1942, he was granted a military leave of absence. He received a commission in the Air Force and served chiefly in the Alaskan-Canadian and the North Atlantic theaters, with mostly command assignments in air communications. In 1944, he assumed command of the 6th Wing, Army Airways Communications system, with the rank of colonel.

On returning to civilian life in 1946, John Anderson joined Aeronautical Radio, Inc. (ARINC), as assistant to the president. In 1948, he was elected vice president, and president in 1951.

Under the leadership of John Anderson, ARINC grew from a small Washington office to a communications organization that owns, operates, and maintains a communications network serving the air-transport industry from Okinawa to Puerto Rico. In 1948, ARINC initiated radiotelephone service to long, over-water flights and established ARINC 'gateway' stations at New York, Miami, and other coastal points here and abroad. In 1951, the firm established the first trans-continental trunk network for a nation-wide air-ground VHF service. Similar systems serve Puerto Rico, the Virgin Islands, Hawaii, and the Ryukus.

As a result of its success in developing reliable electronic components for airlines and subsequently for the Department of Defense, ARINC in 1958 formed a completely owned subsidiary, the ARINC Research Corporation. John Anderson was elected president.

In 1963, ARINC initiated computerized message switching of inter-city communications. Three years later, the firm, in cooperation with NASA and various airlines, first demonstrated air-ground communications via satellite. An operational system for relaying both voice and data via aeronautical communications satellites is now under development.

John Anderson has served on several United States delegations to international aeronautical and telecommunications conferences, and on a number of industry and government committees covering these fields. He was chairman of the Radio Commission for Aeronautics from 1957 to 1959. In 1968, he was elected to his present position as chairman of the boards of both ARINC companies.

CONGRATULATIONS VWOA

**BLUE PRINTS • WHITE PRINTS • GIANT CAMERA NEGATIVES
BROCHURES • PHOTO TRACINGS • COLD TYPE COMPOSITION**



OFFSET LITHOGRAPHERS

SILK SCREEN PRINTING

TECHNICAL MANUALS

ENLARGEMENTS

OFFSET NEGS

PROPOSALS

PRINTS

475-6145 • MARS DEN OFFSET PRINTING CO. • 534 LAGUARDIA PL., N.Y.

725-9220 • MARS DEN REPRODUCTIONS • 30 EAST 33RD STREET, N.Y.

PRINTERS OF THIS JOURNAL

Marine Communications and Navigation Equipment Service

RCA

RCA Service Company

A Division of RCA

Bldg. 204-2

Camden, N.J. 08101

VETERAN WIRELESS OPERATORS ASSOCIATION
Marconi Memorial Gold Medal of Honor

KARL BAARSLAG



KARL BAARSLAG

The 1972 Marconi Memorial Gold Medal of Honor was awarded to Karl Baarslag in recognition of his major contribution to the history of disasters at sea and the part played in them by radio telegraphy.

Karl Baarslag was born in Grand Rapids, Michigan, in 1900, of Netherlands parents. He studied wireless telegraphy at the old Marconi school in New York City. He passed for a second-class license in 1920, but the post-war slump in United States shipping kept him ashore until 1924. He was then lucky enough to be assigned to the newly built yacht "Oceanus" KFYC. After a winter with her in Florida, he was transferred by International Wireless Telegraph Co. to the freighter "Eastern Dawn," and, for the next three years, he shuttled across the North Atlantic between New York and Rotterdam and Antwerp.

In 1928, he was appointed chief radio officer of the "Savarona," the largest yacht of her time.

During the next eleven years, he roamed the world in a succession of fifteen yachts. Except for a relief trip in the "Rene," on loan to the Duke of Windsor, who was then Governor General of the Bahamas, Karl Baarslag spent his last six years of sea life aboard the yacht "Vagabondia" WSBO, owned by W.L. Mellon.

During the early part of his service in yachts, Karl Baarslag conceived the project of recording in permanent form the outstanding sagas of the sea and the epic stories of radio operators who played a part in them; of telling for the first time the inside radio stories of these disasters, unadorned by romance of fancy; and of acquainting the general public with the ship radio operator, his training, his work, his daily life, his traditions.

For seven years, Karl Baarslag devoted himself to intensive and painstaking research, to interviewing, and to traveling in pursuit of this purpose. The work was carried out on the job at sea, in many distant ports, in almost every clime.

The resulting manuscript, "SOS to the Rescue," brought heart-breaking rejections from sixteen publishing houses. Then, the seventeenth, the prestigious Oxford University Press, published it in 1935. The book was an immediate success. Captain Felix Riesenbergh wrote, "SOS to the Rescue" is a definitely new and important contribution to the lore of the sea. Oxford University Press printed several editions; foreign editions numbered five; and in 1946, a domestic reprint house ran off a final large edition.

During World War II, Karl Baarslag served in Naval Intelligence. With the rank of Lt. commander, he was Special U.S. Representative on the staff of Field Marshal Montgomery. He was a member of the Combined Intelligence Objectives Committee. As such, he located the first type XXI U-boat schnorkel.

Karl Baarslag is also author of "Coast Guard to the Rescue," "Robbery by Mail," and "Manual for Survival," a study course in counter-subversion. He has served as research director and consultant to several Senate and House committees. At present he is engaged in private research, lecturing, and writing, editing the conservative newsletter "Inform." Karl and his wife winter in Florida and spend their summers at "Wimble Shoals," North Carolina.



Best Wishes to VWOA

RADIO-ELECTRONICS

Hugo Gernsback, 1884-1967, Founder

TROPICAL RADIO TELEGRAPH COMPANY

TELEGRAPH, TELEX AND LEASED

CHANNEL SERVICES TO

LATIN AMERICA & WEST INDIES.

INTERNATIONAL TELEPHONE.

MARINE TELEGRAPH.

SENDS ITS BEST TO THE

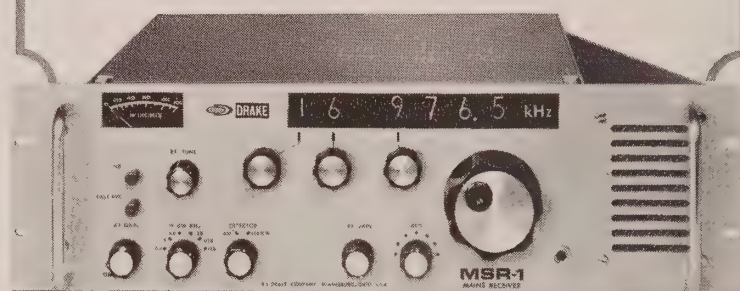
V. W. O. A.

Miami, Florida

New Orleans, Louisiana

Boston, Massachusetts

DRAKE Model MSR-1 MARINE RECEIVER



- Continuous coverage 10 kHz to 30 MHz
- Digital synthesizer frequency control
- Frequency displayed to 100 Hz
- All solid state
- AM, SSB, CW, RTTY, ISB
- Series balanced gate noise blanker
- Rack or desk mount
- Price \$2195.00
- Accessories available to accommodate specific requirements

SPECIFICATIONS • **Frequency Range:** 10 kHz to 30.0 MHz. • **Modes of Operation:** USB, LSB, CW, RTTY, AM, ISB. • **Frequency Readout:** Complete to 100 Hz on six NIXIE tubes. • **Frequency Selection:** 10 MHz, 1 MHz, 0.1 MHz switch selected; 0 to 0.1 MHz continuously variable. • **Frequency Stability:** Drift does not exceed 150 Hz in any 15 minute period with a temperature change of 7° C per hour over a range of 0° to 40° C. • **Sensitivity:** Less than 0.5 microvolt for 10 dB SINAD at 2.4 kHz SSB mode; Less than 1.0 microvolt for 10 dB SINAD at 6 kHz AM mode. • **Image Rejection:** Greater than 70 dB relative to 1 microvolt. • **Blocking:** Greater than 100 dB relative to 1 microvolt. • **Cross Modulation:** Greater than 90 dB relative to 1 microvolt. • **Intermodulation:** Greater than 80 dB relative to 1 microvolt. • **Opposite Sideband Suppression:** Greater than 60 db at 500 Hz into the opposite sideband. • **I.F. Bandwidth:** 6 kHz, 2.4 kHz, 1.2 kHz, 0.4 kHz; Selectivity @ -6 dB: 6 kHz, 2.4 kHz, 1.2 kHz, 0.4 kHz; @ -60 dB: 11.5 kHz, 4.3 kHz, 2.4 kHz, 0.8 kHz; Optional filters available for other bandwidths. • **I.F. Outputs:** 50 millivolts into 50 ohms at 1st I.F.; 5.05 MHz and 2nd I.F. 50 kHz. • **Automatic Gain Control:** Audio Output rises less than 3 dB for RF input change of 1 microvolt to 100 millivolts; Attack time 100 microseconds; Release time 750 milliseconds (Slow AGC), 25 milliseconds (Fast AGC). • **Antenna Input Impedance:** 10 kHz to 500 kHz, 1000 ohms; 500 kHz to 30 MHz, 50 ohms. • **Audio Output:** 3 watts at 5% maximum distortion into 3.2 ohm load; 1 volt into 600 ohm output line; 3.2 ohm unbalanced and two 600 ohm balanced outputs; ISB output is one of the two 600 ohm balanced outputs. • **Audio Hum and Noise:** Greater than 60 dB below rated output. • **BFO:** Derived from standard clock or variable over a ± 3 kHz range from front panel. • **Power Requirements:** 115/230 volts ± 10% single phase 50-420 Hz 15 watts; 12 or 24 VDC supply optional. • **Dimensions:** 5.25 in. H x 19 in. W x 15 in. D, (13.3 cm H x 48 cm W x 38 cm D). • **Weight:** 17 lbs (7.7 kg).

Write to . . .

Commercial Division,



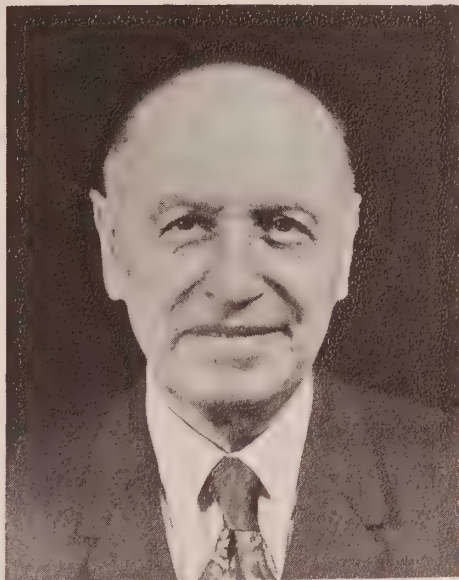
R. L. DRAKE COMPANY

540 Richard St., Miamisburg, Ohio 45342

Phone: (513) 866-2421 Telex: 288-017

VETERAN WIRELESS OPERATORS ASSOCIATION
Marconi Memorial Gold Medal of Merit

REAR-ADMIRAL BENJAMIN KATZ, USN (Ret.)



REAR ADMIRAL BENJAMIN KATZ,
USN (Ret.)

The 1972 Marconi Memorial Gold Medal of Merit was awarded to a man of whom Admiral Arleigh Burke once wrote to the Pentagon, "Thank God that Benjie Katz is out here!"

Benjamin Katz was born in Kaunas, Lithuania, in 1904, and was educated in the United States. He graduated from the Naval Academy in 1926. During World War II, he commanded destroyers in the North Atlantic and the South Pacific; subsequent commands included a Fleet flagship and a destroyer squadron of the Pacific Fleet. He was Awarded the Legion of Merit for sinking the Japanese submarine I-25 off the Solomon Islands.

It was during post-war years that Admiral Katz distinguished himself in naval radio communications. As Communication Officer, Navy Department, Washington, D.C., he supervised radio services to C-in-C, U.S. Fleet; while serving as Communication Officer, Third Naval District, he had charge of all naval and marine communications

in the New York metropolitan area; he was Deputy Director of Communication-Electronics for the Joint Chiefs of Staff, and chairman of the joint Coordinating Panel of the Joint Communications-Electronics Committee. While acting as Adviser to the Director of Naval Communications, he completed a number of projects to promote improvement and efficiency of Naval Communications, including a Readiness Book, which is in use throughout the Navy.

When attached to the staff of C-in-C, Pacific Fleet, Pearl Harbor, Admiral Katz was Logistics and Communication Officer, Commander, Naval Forces, Far East, Tokyo, responsible for furnishing adequate communication services for all naval and marine forces engaged in the Korean War; he directed the planning, establishment, and operation of a completely new communications center in the New Naval Headquarters Building in Tokyo. "This communicator, Benjie Katz," wrote Admiral Burke to the Pentagon of Katz' work as logistics officer, "is doing one of the most magnificent jobs I've seen in a long time, in a big hurry, and under the most difficult conditions. I would like to repeat again thank God that Benjie is out here."

In addition to the Legion of Merit, Admiral Katz was also awarded the Navy Cross, Silver Star, Bronze Star, and the Navy Unit of Commendation.

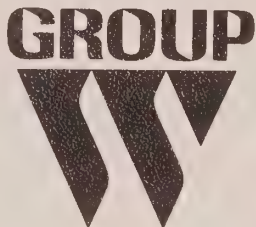
Admiral Katz retired from the Navy in 1957. With a degree in Engineering Administration from the George Washington University, he became active in business and civic affairs in Alexandria, Virginia. He has held several positions in an administrative or advisory capacity. He is the author of "Happiness or Misery," a recently published manual on small-business management, based on his more than ten years of experience in that field. Admiral Katz and his wife, Beulah, live in Alexandria.

During two tours of duty in the Third Naval District, Ben came in close contact with commercial radio officers, including a number of VWOA members. The warm friendships thus formed led to an invitation to Ben to join the Washington chapter, and to election for a term as chairman.

BEST WISHES

TO

VWOA



WESTINGHOUSE BROADCASTING COMPANY

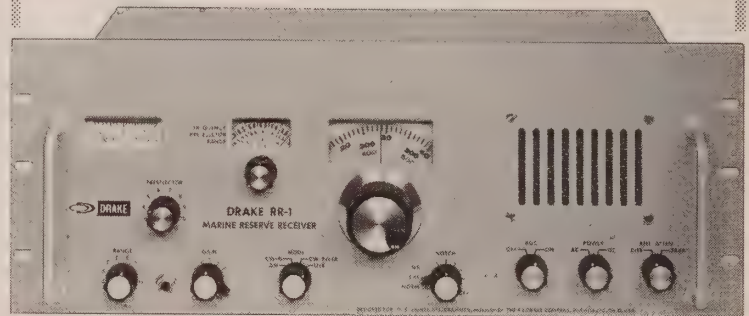
Congratulations

**LINK PAPER
COMPANY INC.**

Specialists in all forms
of Communicative
Paper Products

**45 CEDAR LANE
ENGLEWOOD, NEW JERSEY**

DRAKE Model RR-1 MARINE RESERVE RECEIVER



- Complete marine band coverage
150 kHz to 30 MHz
- Frequency displayed to 1 kHz
- All Solid State
- AM, SSB, CW, RTTY with RY-4 Accessory
- Standard 19 inch x 7 inch rack mount
- Price \$690.00
- Accessories available to accommodate
specific requirements

SPECIFICATIONS • **Frequency Range:** 150-535 kHz, 1.5-4 MHz, 4-4.5 MHz, 6-6.5 MHz, 8-9 MHz, 12-13.5 MHz, 16-17.5 MHz, 22-23 MHz, 25-26 MHz. (4 additional 500 kHz ranges from 1.5 MHz to 30 MHz are available with accessory crystals.) • **Modes of Operation:** USB, LSB, CW, AM, (RTTY with RY-4 accessory installed) • **Frequency Readout:** Within ± 1 kHz when receiver is calibrated to the nearest 100 kHz point against the internal 100 kHz calibrator. • **Frequency Stability:** Less than 100 Hz for any 8 hour period after 1 hour warm up at 25°C ambient temperature with less than $\pm 10\%$ variation in supply voltage. • **Sensitivity:** AM 30% modulation 1 kHz mode: 350-535 kHz 100 microvolts for 10 dB SINAD, 1.5-4 MHz 25 microvolts for 20 dB SINAD, 4-26 MHz 5 microvolts for 20 dB SINAD; CW and SSB mode: 350-535 kHz 25 microvolts for 10 dB SINAD, 1.5-4 MHz 5 microvolts for 20 dB SINAD, 4-26 MHz 1 microvolt for 20 dB SINAD. • **Image Rejection:** Greater than -60 dB below 15 MHz, Greater than -50 dB above 15 MHz. • **Blocking:** An unwanted, unmodulated signal 120 dB above 1 microvolt 20 kHz above or below wanted signal will not reduce the desired signal more than 3 dB as measured at the receiver output. The desired signal has a level of 60 dB above 1 microvolt and is modulated 30% at 1 kHz. • **Cross Modulation:** An unwanted signal 90 dB above 1 microvolt, modulated 30% at 1 kHz at a frequency removed more than 20 kHz above or below a desired A1 (CW) signal at a level of 60 dB above 1 microvolt will not produce interference greater than 30 dB below standard output for the desired signal. • **Intermodulation:** Between 405 and 535 kHz, two interfering signals must have a level of 100 dB or more to give products equal to standard output. The reference signal for this measurement is 40 dB above 1 microvolt. Between 1.5 and 26 MHz, the interfering signals must be 65 dB or more with the reference signal 30 dB above 1 microvolt. • **I. F. Bandwidth:** (Selectivity -6 dB to -60 dB): CW Narrow 0.4 kHz to 2.4 kHz, CW Broad/LSB/USB 2.4 kHz to 7.2 kHz, AM 6.0 kHz to 20 kHz. • **AGC:** Audio output rises less than 6 dB for 120 dB increase in RF input above AVC threshold level. • **Antenna Input Impedance:** Below 4 MHz: High Impedance, Above 4 MHz: 50 ohms. • **Excessive RF Input Voltage Protection:** Withstands 30 volts with a 50 ohm source impedance continuously. • **Audio Output:** 3 watts into 4 ohms. • **Power:** 120/240 VAC 50-60 Hz 18 watts 24 VDC 6 watts • **Size:** (rack mount) Width 19", Depth 11", Height 7". • **Wt:** 14 lbs. • **Accessories:** RY-4 Radioteletype Adapter, Line Amplifier, 5-NB noise blander, Cabinet for desk mounting the RR-1, Accessory range crystals.

Write to . . .
Commercial Division,



R. L. DRAKE COMPANY

540 Richard St., Miamisburg, Ohio 45342

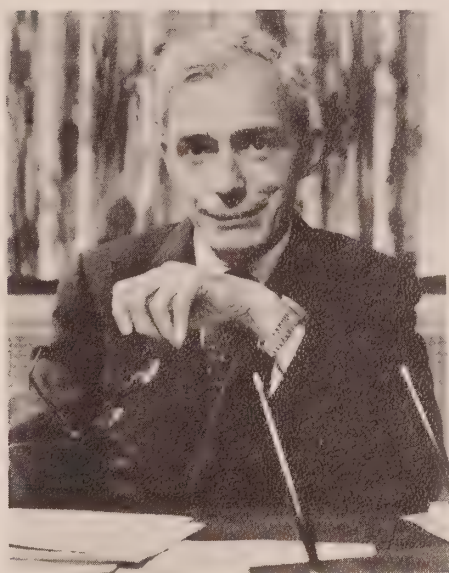
Phone: (513) 866-2421

Telex: 288-017

VETERAN WIRELESS OPERATORS ASSOCIATION

Honorary Membership

M. HARVEY GERNSBACK



M. HARVEY GERNSBACK

The award of an Honorary Membership to Harvey Gernsback perpetuates on the rolls of the Association a name of long revered memory. For Harvey Gernsback is the son of the late Hugo Gernsback, noted wireless pioneer, inventor, and editor, who, together with his brother, Sidney, sponsored the founding of the Association in 1925. It was from their jointly owned radio station WRNY, atop the Hotel Roosevelt, New York City, that the announcement of the birth of the Association was broadcast. Hugo Gernsback remained a loyal supporter of the Association through the years up to the time of his death in 1967 at the age of 83. The Gernsback advertisement became a perennial in the VWOA Year Book.

Harvey Gernsback was born in 1912 in New York City. In 1935, he graduated from Columbia University with a B.A. degree, and immediately went to work for the Transformer Corporation of

America as an electronic technician. During the following year, in keeping with family tradition, he became Associate Editor of "Short Wave & T.V." magazine.

In 1941, Harvey Gernsback was drafted into the Army. He graduated from the Signal Corps Radio School and the Signal Corps Officer Candidate School in that same year, and was commissioned a second lieutenant in 1942. He was then assigned to Fort Monmouth, New Jersey, to write technical manuals on Signal Corps radio equipment. He continued in this work for the next five years, serving during the last two as Officer in Charge of a group preparing technical manuals on Signal Corps radio, telephone, and power equipment.

By the time Harvey Gernsback was separated from the Army in 1945, he had risen to the rank of major. On returning to civilian life, he rejoined the family publishing business as Consulting Editor on "Radio-Electronics" magazine. In 1946, he became Vice President of Gernsback Publications, Inc., and, in 1954, President. He was made Editor of "Radio-Electronics" in 1961; after the death of his father, he assumed the mantle of publisher as well. He is now Publisher and Editor-in-Chief of "Radio-Electronics" magazine.

Besides writing extensively for Gernsback Publications, Inc., Harvey Gernsback has also written articles on electronics for the Collier's Encyclopedia Year Books.

Harvey Gernsback lives in New York City. His principal hobby is electronic experimentation. Apparently he isn't a compulsive "joiner," for his only other club membership is in the Radio Club of America. The Veteran Wireless Operators Association feels especially privileged by Harvey Gernsback's acceptance of Honorary Membership.

Greetings
to
THE VETERAN WIRELESS OPERATORS
from
HARVEY RADIO

"73"

TO

V. W. O. A.

PHIL SIMS

ORCHESTRA



6 STONE STREET
NEW YORK CITY

HA 5-9546
WH 4-3833

VETERAN WIRELESS OPERATORS ASSOCIATION



**1971 MEMORIAL SERVICES
BATTERY PARK, NEW YORK CITY**

Photo by Frank T. King

**The Association mourns the passing of the
following members during the year 1971:**

Thomas Appleby
Leroy Bremmer
Charles E. Drew
Gerald C. Gross
Francis Keefe

George E. McEwen
Wayne Mason
David Sarnoff
William C. Simon
Charles J. Wycka

**1972
Fred J. Gommo**

Those Who Are Listed Below Sent "73 To VWOA,"

"73" Being Wireless Code For "Best Wishes."

VWOA Sends Each And Every One Of Them "73" In Return.

Bob Abernathy
Mr. & Mrs. Vincent Alfano
Mr. & Mrs. John Argen
Wally Battison
Mr. & Mrs. Arthur C. Becker
Larry Bennett
William Biegel
Capt. & Mrs. Charles E. Biele W2AOS/4
William Black
Edith Black
Mr. & Mrs. Harry Boyle
Cdr. & Mrs. B. Frank Borsody
John Boyle
Mr. & Mrs. Walter Brown
Earl F. Brand KPH
Mr. & Mrs. Hubert D. Broyles W9IDY
Claude & Naomi Butt K4SCZ
Mr. & Mrs. Harvey R. Butt, Sr.
Walter Butterworth
Mr. & Mrs. Matthew Camillo
Rose and Ed Cappucci
Harry B. Caskey W8BC/A8BC
Mr. & Mrs. Peter Cerruto
Frank Czin
Irene Clark
John A. Clark
John A. Clark IV
Capt. & Mrs. V. H. Conradt-Eberlin
Alton J. Daley
Mary Daley
Patrick J. Daley
Ismelda Daley
Beverly G. Davis
Frank Doane
Mr. & Mrs. Charles Dolansky

Captain C. Dorian W3JPT
Mr. & Mrs. John V. Drougalis
Guy Entwistle
Gene Felippelli
Robert L. Fischer K4AS
Ed Gallagher
Mr. & Mrs. Ganchow
Mr. & Mrs. James Gilrane
Robert J. Gleason
Arthur C. Goodnow W1DM
Mr. & Mrs. Frederick J. Greene
Mr. & Mrs. Richard C. Griffiths
Tom Griffiths
Mr. & Mrs. E. A. Gruenewald
Frank Hanna
H. D. Hayes
Ed Hayward
H. M. Holzberg Associates W2FCI
Maurice D. Holland
Mr. & Mrs. Michael Infante
Mr. & Mrs. R. J. Iversen K4QZ
Mr. & Mrs. Larry Jameson
Mr. & Mrs. Thurston Allen Johnson
Edgar S. Johnson
Mr. & Mrs. W. L. Jones
Frank Justice
Wesley P. Kelland
Mr. & Mrs. Arnold King, Jr.
Mr. & Mrs. Frank King
George P. Knell
Mr. & Mrs. Bob Knell
Mr. & Mrs. Walter Koch
Mr. & Mrs. Richard W. Konter
Mr. & Mrs. A. C. Krones W9CM
F. M. Kratokvil

Mr. & Mrs. Paul Krieger (1912)
 Dave & Alice Little
 C. M. Buck"" Lewis W3AXW
 Viggo Madsen
 Captain Lee Machen
 C. J. Manolescu
 Charles E. Maps
 Olive N. Maps
 E. L. Maneval W3EU
 Mr. & Mrs. H. B. Martin W2FEE
 General & Mrs. James R. McNitt
 John McKenna
 Mr. & Mrs. John Meighan
 Martell E. Montgomery K6HM & Annie
 Captain & Mrs. Huron C. Moore
 Mr. & Mrs. Carl A. Nelson
 S. W. Norman
 Emma P. Oellrich & M. I. RCA Club
 Mr. & Mrs. Patrick O'Keefe
 Dr. & Mrs. Patrick W. O'Keefe
 Cathleen Anne O'Keefe
 Mr. & Mrs. Frank Orth
 Mr. & Mrs. Max F. Ortelt W1BHK
 Mr. & Mrs. Esterly C. Page
 Mr. & Mrs. Henry Paulisen
 Stewart S. Perry W1BB
 Emma J. Peters
 Mr. & Mrs. Clarence Pfeifer
 Mr. & Mrs. Robert H. Pheysey
 Mr. & Mrs. E. F. Plueller, Jr. W2EIQ
 Mr. & Mrs. Valerian F. Podmolik
 Stearns Poor W1PO
 Jack Poppele, Voice of America
 Steve Porosky
 Cdr. E. Jay Quinby USN (Ret.)
 Paddlewheel Steamer "Delta Queen"
 Ed. G. Raser W2ZI
 Historical Wireless Museum, Trenton, N.J.
 William Q. Ranft
 Lester Reiss W2BR/W2RH
 Harold B. Richardson
 Ken Richardson (1907)
 Henny Richardson
 E. H. Rietzke
 Mary & George B. Riley

Mr. & Mrs. Alfred L. Ritter
 Mr. & Mrs. Eric A. Roberts K4RF
 Mr. & Mrs. Jack Rosenbaum W2BQR
 Mr. & Mrs. J. Ruskin
 Mr. & Mrs. Charles Rippert
 Arthur J. Schnabel
 Kenneth J. Schnabel
 Ellen Joan Schnabel
 Mr. & Mrs. L. M. Schnabel
 Mr. & Mrs. A. H. Schnabel
 Charles A. Seibold (Ret.)
 Mr. & Mrs. C. R. Shanholtzer
 Col. Frank J. Shannon, Sr., USAF (Ret.) K4GT
 Mr. & Mrs. Bob Sidnell
 Jerry Sievers
 Mr. & Mrs. Raymond E. Simonds K4BZF
 Ray Smart W2JNX
 USCG Radio, City Island
 Al Snow
 Mr. & Mrs. A. J. Sutherland W3CJT
 Dr. & Mrs. Edward Stanko W2RHT/KMG 3404
 Mr. & Mrs. L. Jerome Stanton W2WHM
 George E. Sterling
 Claude H. Stevens
 Mr. & Mrs. Arthur J. Stobbart
 Mr. & Mrs. A. C. Tamburino K4BX
 Col. LeRoy Thompson, Jr. W4BRF
 Mrs. Ola Dell Thompson W4IKA
 Mr. & Mrs. Bertram B. Tower
 Gerry Travis
 Mr. & Mrs. G. W. Tunnell
 George S. Turner
 Vic Villandre
 Richard Vincent, Jr.
 Phil Wainwright
 Steve Warga
 Mr. & Mrs. Dave Warshaw
 Mr. & Mrs. Richard Weir, Jr. W2AIZ
 Mr. & Mrs. Robert Wendeborn
 I. L. Weston
 Earl Whidden
 Hatton C. Wilks W1BC/W2BC
 Gilson Willets (Radio Rex)
 Ace Winter W2ADB
 W. Earle Wohler W6FS

Veteran Wireless Operators Association

In Battery Park, overlooking New York Bay, through which so many ships pass out to sea, stands a Monument dedicated to the memory of Wireless Operators who have lost their lives in performance of duty. Their brave deeds, hewn in memory more durable than the engraving of their names on the Monument, inspire and maintain the traditions of the sea.

Front Panel (West Side)

JACK PHILLIPS
S.S. *Titanic*
April 15, 1912
Atlantic Coast

STEPHEN F. SCZEPANEK
S.S. *Pere Marquette*
Car Ferry No. 18
September 9, 1910
Lake Michigan

DONALD CAMPBELL PERKINS
S.S. *State of California*
August 18, 1913
Pacific Coast

WALTER E. REKER
S.S. *Admiral Sampson*
August 25, 1914
Puget Sound

HARRY FRED OTTO
S.S. *Francis H. Leggett*
September 18, 1914
Oregon Coast

GEORGE ARUNDEL GEARE
Bark *Manga Reva*
November, 1916
Atlantic Ocean

RUSSELL A. WILLIAMS
S.S. *Montano*
July 31, 1917
English Channel

BORIS MICHAEL DUTKO
S.S. *Brindilla*
December 1, 1919
At Sea

EMILE H. HULSEMAN
S.S. *Cubahisti*
March 7, 1920
Off Hatteras

FRED SALIM
S.S. *Conejos*
December 27, 1923
Black Sea

LAWRENCE M. WARING, JR.
S.S. *Cotopaxi*
December 2, 1926
Off Florida Coast

J. MAURICE BLACK
S.S. *David C. Reid*
October 14, 1928
South Atlantic

GEORGE C. ECCLES
S.S. *Ohio*
August 26, 1909
Pacific Coast

LAWRENCE PRUDHUNT
S.S. *Rose Crans*
January 7, 1913
Pacific Coast

FERDINAND J. KUEHN
S.S. *Monroe*
January 30, 1914
Atlantic Coast

CLIFTON J. FLEMING
S.S. *Francis H. Leggett*
September 18, 1914
Oregon Coast



"In Grateful Memory of Those Wireless Operators Who Made The Supreme Sacrifice At the Call of Duty World War I 1914-1918, World War II 1932-1945. They, Dying so, Live."

Right Panel (South Side)

PAPAS THEODOROU
S.S. *Kyellne*
April 11, 1938
Atlantic Coast

JOHN B. HILLIAR
S.S. *Ambassador*
February 18, 1964
North Atlantic

CARL JOHAN NIELSEN DEJLIGBJERG
S.S. *Hans Hedtoft*
January 30, 1959
North Atlantic

WILHELM SIEMERS
Bark *Pamir*
September 21, 1957
North Atlantic

JOACHIM GEISSLER
MV *Munchen*
June 25, 1963
North Atlantic

Front Panel (West Side)

ADOLPH J. SVENSON
S.S. *Hanalei*
November 23, 1914
Pacific Coast

JAMES J. CURRAN
S.S. *Moreno*
June 12, 1917
Off Azores

FRANCIS JOSEPH DOHERTY
S.S. *City of Athens*
May 1, 1918
Atlantic Coast

LAWRENCE B. ROBINSON
S.S. *Macona*
January 17, 1920
Swedish Coast

ERNEST E. DORSEY
S.S. *Swift Arrow*
July 15, 1923
Caribbean Sea

PETER L. BACUINKA
S.S. *Haleakala*
September 8, 1926
Atlantic Coast

CHARLES F. RUBLE
S.S. *Elkton*
February, 1927
Pacific Ocean

MICHAEL JOSEPH O'LOUGHLIN
S.S. *Vestris*
November 12, 1928
Off Virginia Coast

Left Panel (North Side)

ERNEST EDWIN DAILEY
U.S.S. *Macon*
February 12, 1935
California Coast

RUSSELL L. MACDONALD
S.S. *Mohawk*
January 24, 1935
Jersey Coast

WILLIAM R. ROBERTSON
S.S. *Nevada*
September 26, 1932

FRANK M. CALDWELL, JR.
S.S. *Iowa*
January 11, 1936
Pacific Coast

JOHN FRANTSEN
S.S. *Grontoft*
March 2, 1922
North Atlantic

DONALD MACNEIL
S.S. *Tresillian*
November 30, 1954
North Atlantic

CHARLES J. TAYLOR
S.S. *Blairgourie*
February 26, 1935
North Atlantic

CARLOS R. GRIFFITH
S.S. *Panoeceanic Faith*
October 9, 1967
North Pacific

Annual Memorial Services are held at the Monument under the auspices of the Veteran Wireless Operators Association

The ceremony will be held on Thursday, May 25, 1972

OBJECTS AND PURPOSES

The objects and purposes of the Veteran Wireless Operators Association (Incorporated), which was founded in 1925, are as follows:

- (A) To foster and extend an *esprit de corps* among wireless operators;
- (B) To afford opportunity for social intercourse, and to promote a fraternal and comradely sentiment between and among its members;
- (C) To recognize meritorious service rendered by wireless operators on land, at sea, and in the air, by the erection and maintenance of memorials, such as the Wireless Operators Monument in Battery Park, New York City; and by the bestowal of testimonials, medals, scholarships, or other suitable awards; and similarly to recognize other individuals who have made outstanding contributions either to the wireless profession or to other divisions of electronic communication and science;
- (D) To acquaint the general public with the work, traditions, and ideals of wireless operators and others engaged in the art of radio communications, and to perform and encourage any other purely fraternal activities adjudged helpful toward the attainment of these ideals.

A Memorial Awards banquet is held in the February of each year. The awards voted by the Memorial and Awards Committee are presented to the recipients at the banquet on behalf of the membership. A memorial service is conducted annually in May at the Wireless Operators Monument in Battery Park, New York.

The Association issues a Year Book to coincide with each Memorial Awards Banquet, containing biographical sketches and photographs of the persons receiving the awards and general information about the Association. VWOA monthly News Letter keeps members posted on Association affairs and the activities and movements of other members.

The National Headquarters of the Association are situated in New York.

Qualifications for Membership

VETERAN MEMBER: Any wireless (radio) operator who has served in such capacity for a period of at least five (5) years prior to the date of application, whether such service was continuous or otherwise.

MEMBER: Any morse-telegraph operator, or any radio-telephone communications operator, who has served in such capacity for a period of at least ten (10) years prior to the date of application for membership, whether such service was continuous or otherwise, provided that at least three (3) of the said ten (10) years service were in a supervisory or a managerial position.

ASSOCIATE MEMBER:

(a) Any person associated with wireless (radio), telegraph, or telephone communications for a minimum of ten (10) years prior to the date of application for membership, whether such service was continuous or otherwise, provided that at least three (3) of the said ten (10) years were in a supervisory or a managerial position.

(b) Any wireless (radio) operator who has served in such capacity. After five (5) years from the date of commencement of service, such an Associate Member may become a Veteran Member under the requirements for Veteran Membership.

(c) Any person not otherwise eligible to become a member of the Association in accordance with the requirements for membership may, at the discretion of the Membership Committee, become an Associate Member if such membership would be deemed beneficial to the Association.

STUDENT MEMBER: Any student enrolled in a recognized course of training preparatory to employment as a wireless (radio) operator shall, while actively engaged in such course of instruction, be eligible to join the Association as a Student Member.

All members except student members shall have the right to nominate, vote, and hold office. Associate Members may, at the discretion of the Board of Directors, become Members.

There are no initiation fees, and members joining after March 31 will receive partial credit on dues for the following year. The fee for Life Membership is \$125.00.

Membership Certificate (optional)	\$3.00
Gold-plated Association Pin (optional)	\$2.00
Annual Dues	\$7.50

MEMBERSHIP LIST

ABERNATHY, John C. (W3EOX)
95 Terragon La., Gingerville, Edgewater, NJ 21037

ABERNETHY, Robert L. (W2PQY)
120 Frederick Ave., Babylon, NY 11702

ADAMO, Julius C.
253-38 87th Dr., Bellerose, NY 11426

ADELMAN, Ernest A., c/o Dinsmore
109 Moses Lane, Southampton, NY 11968

AHRENS, George W. (W5FHN)
3216 Townsend Dr., Dallas TX 75229

ALLEN, Amory L. (K2CWN)
SS "American Hawk" (MSC),
Fleet Post Office, San Francisco, CA 96605

ANDERSON, John C., Sr.
6045 Gwynn Oak Ave., Baltimore MD 21207

ANDERSON, John S.
2551 Riva Rd., Annapolis, MD 21401

ANSELMO, Paul (W2OBY)
254 Treadwell Ave., Staten Island, NY 10302

ARGEN, John J.
1468 E. 27th St., Brooklyn, NY 11210

ASPLUND, Rudy
149 Tuscaloosa Ave., Atherton, CA 94025

AYMAR, Erwin (W3SU)
3461 S. Leisure World Blvd., Silver Spring, MD 20906

AZOY, Geoffrey V. (K2GTZ)
25 Buena Vista Ave., Rumson, NJ 07760

BALLARD, Benjamin H., Jr.
3030 Bridgeway, Sausalito, CA 94965

BANTA, Theodore C. (K1BD)
511-B Heritage Village, Southbury, CT 06830

*BARBALATE, A.
712 Avenue L, Brooklyn, NY 11230

BARTLETT, Dexter S.
7405 North Wall Ave., Portland, OR 97203

BATCHELLER, Arthur
157 Newbury St., Framingham, MA 01701

BAUM, Arthur C. (W2QNR)
1419 Silverside Rd., Wilmington, DE 19810

BECKERMAN, Benjamin, Park Nursing Home
115th St. & Boardwalk, Rockaway Bch., NY 11693

BEGELMAN, Capt. Albert
3 Buckingham Place, Great Neck, NY 11021

BENNETT, Larry S. (W1IH)
2 Lawrence St., Everett, MA 02149

BENNIS, Charles L.
1411 Island Dr., South Pasadena, FL 33707

BERGIN, Matthew L. (W2UA)
118 E. Maple Ave., Moorestown, NJ 08057

BEREL, Milton
10 Werneking Place, Little Ferry, NJ 07643

BERMAN, Jack (W1BGW)
28 New Haven St., West Roxbury, MA 02132

BIELE, Charles E., Capt. USNR (Ret.) (W2AOS/4)
707 46th Avenue North, Myrtle Beach, SC 29577

BISBEE, Robert H.
51 Maddock Ave., Trenton, NJ 08610

BLACK, William
Apt. 5-J, 779 Concourse Village East, Bronx, NY 10451

BLATT, Harry
20 Peconic Dr., Massapequa, NY 11758

BORREMANS, G. A.
868 Bogert Rd., Riveredge, NJ 07661

BORSODY, Benj. Frank, Cmdr. USNR (Ret.)
(W2AYN/K4EC)
905 25th Avenue West, Palmetto, FL 33561

*BOSSEN, John A.
10 Michele Terrace, Massapequa Park, NY 11762

*BOUCHERON, Pierre H., Capt. USN (Ret.)
2813 Bellaire Dr., Fort Wayne, IN 46804

BOWKER, David
700 Victory Blvd., Apt. 14-M, Staten Island, NY 10301

BOYLE, Harry G.
Miller Dr., Boonton, NJ 07005

BRAFMAN, Joel
16 Bertrand St., Oldbridge, NJ 08857

BRAND, Earl F.
P.O. Box 468, Point Reyes Station, CA 94956

BRIZZOLARI, Anthony J. (W2TG/K4TG)
109-10 Queens Blvd., Apt. 12-K, Forest Hills, NY 11375

BROWN, David L.
105 New England Ave., Summit, NJ 07901

*BROWN, Raymond E.
32 Lincoln Parkway, Somerville, MA 02143

BROWN, Walter R.
925 S.E. 7th Court, Deerfield Beach, FL 33441

BROYLES, Hubert D. (W9IDY)
ØN-415 Prince Crossing Rd., West Chicago, IL 60185

BUGG, James E., Lt. Cmdr. USN (Ret.)
19670 Drake Dr., Cupertino, CA 95014

BURGESS, Frederick
1540 Milvia St., Apt. 2, Berkeley, CA 94709

BUTT, Claude W. (K4SCZ)
Venetian Apts. F-24, N. Causeway
New Smyrna Bch, FL 32069

*BUTT, Harvey R., Sr.
118 River Dr., Bay Ridge, Annapolis, MD 21403

CADY, Eben K.
2330 Roosevelt Ave., Redwood City, CA 94061

CAIN, John D.
30921 Walker Rd., Bay Village, OH 44140

*CAMILLO, Matthew (W2WB)
66 Hallberg Ave., Bergengield, NJ 07621

CAMPBELL, Joseph S., Lt. Cmdr. USN (Ret.)
109 Lamplighter Road, Longwood, FL 32750

CASKEY, Harry B. (W8BC/A8BC)
13701 Wainstead Ave., Cleveland, OH 44111

CERRUTO, Peter S. (K2BSN)
281 Forest Avenue, Glen Ridge, N.J. 07028

*CHICHESTER, Sir Francis, K.B.E.
9 St. James's Place, London S.W. 1

CHILDERS, Aubrey A.
5208 North 31st Rd., Arlington, VA 22207

CHRISTIANSON, John
1555 Oak Ave., Evanston, IL 60201

CISENFELD, Samuel
Linwood Apts. #427, 1336 Missouri Ave., N.W.
Washington, DC 20011

CLARK, John A.
172-70 Highland Ave., Jamaica Estates, NY 11432

COHEN, Monte (W1FU)
508 Laurel Street, Longmeadow, MA 01106

COMERFORD, Leroy F.
250 Magnolia St., Melbourne, FL 32901

COMMAGERE, Edward L.
27 Heron Street, New Orleans, LA 70124

CONCANNON, Charles F., Cdr. USN (Ret.) (K4OQ)
6905 Andover Dr., Alexandria, VA 22307

CONERLY, Frank L.
620 Montauk Hwy., Westhampton Beach, NY 11978

*CONRADT-EBERLIN, Viggo H., Capt. USN (Ret.)
(WA7CJV)
1721 Ravenna Blvd. N.E., Seattle, WA 98105

CONVERY, Frank W.
P.O. Box 385, Moorestown, NJ 08057

*COOLEY, Austin G.
690 West Second Street, Reno, NV 89503

COSMAS, Athan (W2PKD)
251 Ocean Ave., Amityville, NY 11701

COSTANTINO, Dominic (W2PMT)
2240 81st St., East Elmhurst, NY 11370

CRANCER, Ralph
9446 Rosebay Dr., Crestwood, MO 63126

CROSS, Leo J. (K2ZSA)
R.D. 2, Box 443, Whitehouse Station, NJ 08889

DALEY, Alton J.
Apt. 43, 5 Park St., Bloomfield, NJ 07003

DAVENPORT, Fountain S.
2110 Shannon Ave., Melbourne, FL 32901

DAVIS, Ralph K.
46 Webster St., Fort Plain, NY 13339

DE BARDELEBEN, John F. (W4TE)
2012 Rockingham St., McLean, VA 22101

DE LORENZO, Maurice
187A Charles Blvd., Valley Cottage, NY 10989

DE MELLO, William (XE1DDM)
Xola 15, Colonia del Valle, Mexico 12 D.F., Mexico

DE NEUF, Donald K.
14 Woodhill Road, Wilton, CT 06897

DERAPELIAN, Charles (W5IW)
2418 Dinah Dr., Port Neches, TX 77651

DERR, William E. (W3DIF)
2900 Linwood Ave., Baltimore, MD 21234

DIETZ, James E.
40-24 Forley St., Elmhurst, NY 11373

DIXON, Francis C. (W6KE/KH6AE)
Apt.12D, 1970 McKinney Way, Seal Beach, CA 90740

DORIAN, Charles, Capt. USCG (W3JPT)
4444 Chesapeake St. N.W., Washington, DC 20006

DORIO, Aurelio
152 Charles Blvd., Valley Cottage, NY 10989

DRIGGERS, Paul W.
P.O. Box 842, Phoenix, AZ 85001

DROUGALIS, John V. (W2AGL)
R.R. 2, Box 28, Colts Neck, NJ 07722

DU BOIS, Winston E. (W1JSX)
Middlesex Toad, Tyngsboro, MA 01879

DUNN, Arthur E.
4100 Watkins Trail, Annandale, VA 22003

DUVALL, Edward B., Sr.
Box 409-I, Forest Dr., Rt. 1, Gambrills, MD 21054

DUVALL, George F. (WA2HIQ)
P.O. Box 258, Shelter Island, NY 11964

DVORSKY, Frank C.
2045 Pard Rd. N.W., Washington, DC 20010

EGOLF, Richard S. (W2WX)
90 8th Ave., Brooklyn, NY 11215

ELDRIDGE, Jonathan (WA2CRE)
Cannon Hill, P.O. Box 392, North Chatham, MA 02650

ELLIS, Thomas H.
3016 West 90th St., Leawood, KS 66206

ELTUN, Olav
Hoybraatenveien 82, Hoybraaten, Oslo, Norway

*ENTWISTLE, Guy R. (W1AL)
46 Albion Rd., Wollaston, MA 02170

ERIKSEN, Gustav A., Cmdr. USN (Ret.)
7 Bellevue Dr., Treasure Island, FL 33706

ESTBERG, Hugo L. (W2SVR)
21 Curry Rd., Hastings-on-Hudson, NY 10706

EXLINE, James W. (W4GWR)
26 Audubon Place, Mobile, AL 36606

FENTON, Stanley W.
Villa 22, 5469 Riverbluff Circle, Sarasota, FL 33580

FINNERAN, Thomas J.
R.R. 1, Box 716-M, Primrose Lane
Martinsville, NJ 08836

FISCHER, Herman A. (WA2QGV)
14 Mohawk Trail, Westfield, NJ 07090

FISCHER, Robert L., Cmdr. USNR (Ret.) (K4AS)
9802 Ashby Rd., Fairfax, VA 22030

FISHER, Alton B.
15 Widgeon Lane, West Yarmouth, MA 02673

FISHER, Frank E. (W5AHT)
P.O. Drawer F, Lamkin, TX 76460

FLENNER, George B.
Kenlis, 34 Mount Kellett Rd., The Peak, Hong Kong

FOLKERTS, Henry (7Z3AB)
c/o ARAMCO Box 2486, Dhahran, Saudi Arabia

FRANKE, Edmund E.
324 Formosa Dr., Cocoa Beach, FL 32931

FREELAND, William T. (W5CW)
10911 Jefferson Hwy., New Orleans, LA 70123

FRIEDMAN, Richard S., Col. USA (W3ZEN)
6300 Wynkoop Blvd., Bethesda, MD 20034

FUNK, Hon. Arthur J.
7 Grimball River Road, Savannah, GA 31406

GAMBLING, John B.
1127 North Lake Way, Palm Beach, FL 33480

GEISEL, Frank
2816 Tice Creek Dr. #6, Walnut Creek, CA 94595

GIRARD, Edward J.
1613 North Harrison St., Arlington, VA 22205

GIRONDA, A.J., Lt. Col. USAF (Ret.) (W2JE)
1417 Stonybrook Ave., Mamaroneck, NY 10543

GLEASON, Robert J. (W3KW)
3734 Ramsgate Dr., Annapolis, MD 21403

GODFREY, Arthur M.
Beacon Hill Farm, Paeonian Springs, VA 22129

*GODLEY, Paul Forman
Houston Rd., Great Notch, Little Falls, NJ 07424

GOLDWATER, Senator Barry, Maj. Gen. USAF (Ret.)
(K7UGA)
6250 North Hogahn Dr., Scottsdale, AZ 85251

GOODNOW, Arthur C. (W1DM)
9 Phillips Lane, Darien, CT 06820

GORDER, L.O.
432 No. Fig Tree Lane, Fort Lauderdale, FL 33313

GOSNELL, George G., Col. USAF (Ret.)
10270 110th Street North, Largo, FL 33540

GOULD, William B. (W1NP/K2NP)
926 Woodgate Ave., Elberon, NJ 07740

GRAHAM, James W. (W4SAE)
615 Tangerine Ave., Dunedin, FL 33528

GREENBLATT, Mark M. (WB6JAQ)
199 Citrus Ave., Imperial Beach, CA 92032

*GRIFFITHS, Richard C.
3871 Amboy Rd., Staten Island, NY 10308

GROVE, Luther B. (W3KQH)
218 Green St., Mifflinburg, PA 17844

GRUENEWALD, Edmund A.
180 Mountainview Dr., Clifton NJ 07013

*GUNTHER, Frank A. (W2ALS)
10 Highpoint Road, Dongan Hills,
Staten Island, NY 10304

GUSSMAN, Frederick
Sundown Ct., 1616 Oro Dam Blvd., Oroville, CA 95965

*GUY, Raymond F. (W4AZ)
2320 N.E. 34th Ct., Lighthouse Point, FL 33064

*HALLIGAN, William J. (W9AC/W4AK)
179 East Lake Shore Dr., Chicago, IL 60611
HAMILTON, George H., Capt. USN (Ret.) (K4AE)
5205 South Lake Rd., Virginia Beach, VA 23455

HARA, Benji (W2TIM)
630 West 135th St., New York, NY 10031

HARRIS, Charles C.
P.O. Box 104, Royal Oak, MD 21662

HAWKINS, Howard R.
60 Broad St., New York, NY 10004

HAYES, Harold D.
638 Hinman Ave., Evanston, IL 60202

HEBERLE, Clement K., D.O., M.D. (W4OIQ)
7 Fountainbleau Circle, P.O. Box 3578,
Daytona Beach, FL 32018

HENERY, R. S.
4050 Ocean Dr., Lauderdale-by-the-Sea, FL 33308

HENRY, Corwin R. (K6DX)
P.O. Box 256, 217 Hemme Ave., Alamo, CA 94507

HIRSCH, Fred C.
1131 Lydia Dr., Franklin Square, NY 11010

HOLLAND, Maurice D.
227 Smith St., Freeport, NY 11520

HOLZBERG, Herbert M. (W2FCI)
115 Sandra Dr., Totowa, NJ 07512

*HORN, Charles W.
Montes Auvernia 220 Mexico 10 D.F., Mexico

*HORNEIJ, Henry Q.
R.F.D. Box 845, Delray Beach, FL 33444

HOROVITZ, Henry (W4HO)
2903 Point East Dr., Miami, FL 33160

HOUSTON, G. Porter (W3AHA)
3000 Manhattan Ave., Baltimore, MD 21215

HUESTIS, Roland P. (W3IBE)
1324 Robinson Ave., Havertown, PA 19083

INFANTE, Michael A.
230 Pelham Rd., New Rochelle, NY 10805

*IVERSEN, Reginald J. (K4EMC)
7922 11th Ave. South, St. Petersburg, FL 33707

JACKSON, Charles H. (W6GBG)
MAA USNV Comm. Sta., FPO NY 09525

*JAMESON, Lawrence D. (K2BRG)
21 Liberty Street
Westhampton Beach, L.I. NY 11978

JOHNSON, Edgar S. (W2DGM)
78 Norma Rd (Box 396), Harrington Park, NJ 07640

*JOHNSON, James A.
18924 37th Ave. N.E., Seattle, WA 98155

JOHNSON, Lester E. (K1TZH)
R.F.D. 2, Brooks, ME 04921

JOHNSON, Thurston A.
1653 Glenway Lane, Huntington, WV 25701

*JOHNSTONE, G. W. (Johnny)
Island View Way at Shrewsbury River
Sea Bright, NJ 07760

JONES, William L.
22 Woodlane Dr., Moorestown, NJ 08057

JUSTICE, Frank
Box 1048, St. Petersburg, FL 33731

KATZ, Benjamin, R/Adm., USN (Ret.)
910 Overlook Dr., Alexandria, VA 22305

KELLAND, Wesley P.
116 University Pkwy., Apt. 731, Baltimore, MD 21210

KELLEHER, John J. (W4ZC)
3717 King Arthur Rd., Annandale, VA 22003

KEY, Walter J., Jr. (W2DES)
9 Park Ave., Spring Valley, NY 10977

KING, Arnold, Jr. (W2ZT)
211 Ward Place, Piscataway, NJ 08854

KING, Frank T.
9 Yolanda Dr., Edison, NJ 08817

KLEIN, Lester R.
2632 Burro Lane, East Meadow, NY 11554

KNELL, Robert H.
12 Salem Dr., Stony Brook, NY 11790

KOCH, Harold B.
372 Grand Ave., Leonia, NJ 07605

KONTER, Richard W.
89 Crooke Ave., Brooklyn, NY 11226

KORN, Louis
117 Parkview Ave., Weehawken, NJ 07087

KRIEGER, Paul H.
142 Overlook Rd., New Rochelle, NY 10804

KRONES, Aldrich C. (W9CM)
3288 South Illinois Ave., Milwaukee, WI 53207

*LAKER, Major Edwin F. (W3TM)
Farm - Green Valley Rd., Box 99, Rt. 1
Ijamsville, MD 21754

LANGDON, Russell A. (Lucky), Lt. Cmdr. USN (Ret.)
P.O. Box 290, Kensington, MD 20795

LEISTER, Fayette
Rochester, Vermont 05767

LEWIS, Charles M. (W3AXW)
4905 Dorset Ave., Chevy Chase, MD 20015

LEWIS, Virgil K. (W2NXW)
110 West Miami Ave., Cherry Hill, NJ 08034

LINK, Fred M. (W2ALU/W3BBA)
Robin Hill Farm, Pittstown, NJ 08867

LITTLE, David S., Capt. USNR (Ret.) (WN3OVM)
13 Hatsawap Rd., Cambridge, MD 21613

LOHMAN, John A. F.
122-12 6th Ave., College Point, NY 11356

LOUCKS, Ivan H., Capt. USNR (Ret.) (W3GD/K3GD)
R.F.D. 1, Ulysses, PA 16984

LUBINSKY, Herman
56 Ferry Street, Newark, NJ 07105

*LYNCH, Arthur H. (W4DKJ)
5265 Nautilus Dr., Cape Coral, FL 33904

McBURNEY, Frank J. (W1DTF/W2KRP)
34 Sherwood Ave., Greenwich, CT 08630

McCALLUM, Bruce C.
9624 Marriottsville Rd., Randallstown, MD 21133

McELROY, Howard J.
P.O. Box 273, Southampton, NY 11968

McKEE, Clarence A. (K2ET)
27 York Ave., Rye, NY 10580

McLEOD, George R.
5106 River Hill Rd., Washington, DC 20016

MACHEN, Lee C., Capt. USNR (Ret.)
7772 Embassy Boulevard, Miramar, FL 33023

MADARAS, Victor
150 Union St., Mineola, NY 11501

*MADSEN, Viggo (K2RQX)
R.D. 2, Phillipsburg, NJ 08865

MANEVAL, Ervin L. (W3EU)
R.D. 2, Box 8-A, Powder Glen, Wapwallopen, PA 18660

MAPS, Charles E.
5939 Casper Rd., Mesa, AZ 85205

MARTIN, Herschel B. (W2FEE)
24 East Delaware Trail, Medford, NJ 08055

MASHBURN, Edward R.
608 Princess Ave., Fort Valley, GA 30310

MASON, Carl L., Jr. (W1GHK)
Hodsdon Rd., Box 122, Pownal, ME 04069

MATHER, Donald I., Capt. USN (Ret.) (K6EG/KA2WK)
c/o FLTACTSDET-YOKOHAMA, Box 389
F.P.O. Seattle, WA 98761

MATTES, Arthur S. (W5JE)
1618 13th St., Port Arthur, TX 77640

MAUER, William (W3GNN)
P.O. Box 111, Gayetteville, PA 17222

MAYER, George E. (W3ETR)
P.O. Box 12134, Loiza St., Santurce, PR 00914

MAYES, Thorn L. (W6AX)
21120 Sullivan Way, Sarasota, CA 95070

MEHNER, Eugene W. K7RHX)
26620 Purissima Rd., Los Altos Hills, CA 94022

MEIGHAN, John W.
199 Radcliff Rd., Staten Island, NY 10305

MEOLA, Thomas D.
68 Jefferson Ave., Maplewood, NJ 07040

MESCHWITZ, H. V., RMC USNR (W2NFG)
Gerald Lane, Hampton Bays, NY 11946

MICKEY, Leroy
5704 Roosevelt St., Bethesda, MD 20034

*MIESSNER, Benjamin F.
680 N.E. 105th St., Miami Shores, FL 33153

MILLER, Arthur F. (W3EHO)
2 Foxwood Lane, Media, PA 19063

MILLS, Frank F.
293 Jackson Ave., Syosset, NY 11791

MITCHELL, Thompson H.
3700 N.E. 24th Ave., Lighthouse Point, FL 33064

*MONTGOMERY, Martell E.
Apt. 109, Ocampo 83, Ajijic, Jalisco, Mexico

MOORE, Huron C., Capt. USNR (Ret.)
303 North Cherry St., Falls Church, VA 22046

*MORAN, Franklin D., Lt. Cmdr. USN (Ret.) (W4NCR)
9305 Reef Court, Alexandria, VA 22309

MORRIS, H. S. (K6LC)
2271 Jose Way, Fullerton, CA 92632

MORRISON, James A., Capt. USN (Ret.)
6251 Old Dominion Dr., McLean, VA 22101

MOSS, Abram W.
3235 Grand Concourse, Bronx, NY 10468

MOSS, Thomas M. (W4HYW)
P.O. Box 90578, Atlanta, GA 30344

MULHERN, James L.
Rt. No. 1, 340 Epping Way, Annapolis, MD 21401

MULLER, Herbert W. (K4GQ)
121 N.E. 29th St., Pompano Beach, FL 33064

MULLER, John H. (WN1LWZ)
52 Shore Road, Old Greenwich, CT 06870

NAVES, Juan
Merida 176, Apt. 7-857, Mexico D.F., Mexico

NEAL, Edward M. (W1BGZ)
Bauneg Beg Rd., North Berwick, ME 03906

NEHLSSEN, Charles F.
4143 Leland Ave., Chicago, IL 60630

NELSON, Carl A.
168 Blake Street, Torrington, CT 06790

NEWMAN, Samuel E. (W3HN)
2921 Terrace Dr., Chevy Chase, MD 20015

NICHOLS, Clifton T. (K6QP)
77-014 California Dr., Palm Desert, CA 92260

NICKEL, Frank, Jr.
119 Rollinghill Rd., Manhasset, NY 11030

*NUSSBAUM, Walter
83 Maiden Lane, New York, NY 10038

OELLRICH, Emma P.
835 Garfield St., Franklin Square, NY 11010

*O'KEEFFE, Patrick
40 Prospect Park West, Brooklyn, NY 11215

O'NEILL, Raymond A., Jr. (W2ALD)
19 Madison Ave., Cranford, NJ 07016

ORTELT, Max F. (W1BHK)
R.F.D. 3, Box 204, Rehoboth, MA 02769

*ORTH, Frank
33-24 Parsons Blvd., Flushing, NY 11354

OSORIO, Augusto (YV5AW)
Avda. Los Apamates, La Florida "Cristo Rey"
Caracas DF, Venezuela

PAGE, Esterly C.
3455 Gordon Drive South, Naples, FL 33940

PAULISEN, Henry (W2AQ)
26-39 213th St., Bayside, NY 11360

PEMBERTON, Bernard P.
7018 Westbury Rd., McLean, VA 22101

PERRY, Stewart S. (W1BB)
36 Pleasant St., Winthrop, MA 02152

PFEIFER, Clarence H. (W2FG)
53 Warren St., New York, NY 10007

*PHEYSEY, Robert H. (W20BF)
173 North Kings Ave., North Massapequa, NY 11758

PLEULER, Edward F., Jr. (W2EIQ)
216 Jackson Ave., Edison, NJ 08817

PLISHNER, Paul J.
6 Manitou Court, Westport, CT 06880

PLUMMER, Curtis B.
4521 Van Ness Street N.W., Washington, DC 20016

POCHICK, James (W2FUV)
32 Liberty St., Fords, NJ 08863

POOR, Stearns (W1PO)
Marshfield Hills, MA 02051

*POPPELE, Jack R.
9 Crest Circle, South Orange, NJ 07079

PORTER, George V. (W9SZL)
933 West Lawn Ave., Racine, WI 53405

POSTLETHWAITE, Charles W.
2703 Riva Road, St. 8, Annapolis MD 21401

POTTER, John D. (WA4IEX)
3504 George's Lane, Falls Church, VA 22044

PREECE, Earl H.
3-A Sheridan Rd., Arnold, MD 21012

PYLE, Howard S. (W7OE)
318 Chinook Apts,
Lacey, Washington 98503

QUINBY, Edwin J., Cmdr. USN (Ret.)
30 Blackburn Rd., Summit, NJ 07901

QUINN, James E.
Apt. 412, 802 No. Delaware St., San Mateo, CA 94401

RACKLE, E. Emile
706 Papworth Ave., Metairie, LA 70005

RANFT, William Q.
1077 Southbridge Rd., Baltimore, MD 21228

RASER, Edward G. (W2ZI)
19 Blackwood Dr., Trenton, NJ 08628

READ, A. Howard
Thatched House, Thurne
Nr. Great Yarmouth, Norfolk, England

REHBEIN, Arthur F.
145 Lincoln Rd., Medford, NY 11763

REINHARDT, R. C.
3432 Bedford Ave., Brooklyn, NY 11210

REISS, Lester (W2BR/W2RH)
180 East End Ave., New York, NY 10028

RICE, William Edward (W1IKT)
52 Virginia Rd., Waltham, MA 02154

RICHARDSON, Harold B.
2020 N. Atlantic Ave., Apt. 402 S, Cocoa Bch
Cocoa Beach, FL 32931

RICHARDSON, Kenneth
254 Vincent Ave., Lynbrook, NY 11563

RIEDEL, William Y.
647 Springdale Ave., East Orange, NJ 07017

*RIETZKE, Eugene H.
3224 16th Street N.W., Washington, DC 20010

RILEY, George B. (W2KJJ)
344 Elmwood Terrace, Linden, NJ 07036

RITTER, Alfred L. (W4JY)
417 St. Augustine Ave., Temple Terrace, FL 33617

ROBERTS, Eric A. (W2BJ)
P.O. Box 565, Pawleys Island, SC 29585

ROBINSON, H. H. (Robbie) (W3RE/W3EDD)
220 Randolph Rd., Silver Spring, MD 20904

ROETERING, Bernardus G.
Apple Tree Lane, Stamford, CT 06905

ROSENBAUM, Jack (W2BQR)
175 West 13th St., New York, NY 10011

ROSSMAN, Peter F.
500 East "D" Street, Iron Mountain, MI 49801

RUNYON, C.R., Jr. (W2AG)
130 East End Ave., New York, NY 10028

RUSKIN, Michael J. (WA4WDP)
1900 South Treasure Dr., North Bay Village, FL 33141

SANBORN, John E.
R.R. 1, Box 132, Depot St., Dennisport, MA 02639

SANDERSON, James (K2QPU)
7 Colby Dr., Kings Park, NY 11754

SAUL, Hugh A.
3133 Quimby Rd., Virginia Beach, VA 23452

SCHUSTER, Albert C.
50 West 45th St., New York, NY 10036

SEALE, Ray (W4YAH)
4201 Kings Mill Lane, Annandale, VA 22003

SIEBOLD, Charles A.
122 Slade Avenue, Pikesville, MD 21208

SEID, Clarence (W2KW/KV4AB)
25 Willoughby St., Brooklyn, NY 11201

SHAFER, Andrew L. (W8TE)
315 North Adams St., New Carlisle, OH 45344

SHAFER, David P. (W4AX)
RFD 4, Box 71, Glenn Allen, VA 23060

SHANHOLTZER, Charles R.
146 President St., Lynbrook, NY 11563

SHANNON, Frank J., Col. USAF (Ret.) (K4GT/W3QR)
140 Bosphorus Ave., Tampa, FL 33606

SHAW, Charles W.
211 Oak Street, Bath, ME 04530

SHECKLEN, George F., Capt. USNR (Ret.)
969 North Street, Greenwich, CT 06830

SHORT, Henry C. (W1DUA)
156 Florence Rd., Waltham, MA 02154

SIDNELL, Robert G. (WB4/RPM, W8KS/W1KR)
845 S.E. 22nd Ave., Apt. 9, Pompano Bch., FL 33062

SIMONDS, Raymond E. (K4BZF)
4916 Andrea Ave., Annandale, VA 22003

SIMS, Thetus W.
Rt. 7, Box 443, Florence, AL 35630

SINGER, Charles H.
4201 Cathedral Ave. N.W., Washington, DC 20016

SLOVEKOSKI, A. T.
16 Harman Rd., Edison, NJ 08817

SMART, Raymond (K2JNX)
2386 Walton Ave., Bronx, NY 10468

STANKO, Dr. Edward (W2RHT)
87 White Horse Pike, Atco, NJ 08004

STANTON, L. Jerome (W2WHM)
31 Second Ave., New York, NY 10003

*STEINBERG, H. A.
65 Broadman Parkway, Jersey City, NJ 07306

STENGLE, William T.
116 College Ave., Lancaster, PA 17603

STERLING, George E. (W1AE/W3DF)
Peaks Island, Portland, ME 04108

STEVENS, Claude H. (W0CDV)
4928 Clinton Ave. So., Minneapolis, MI 55409

STOBART, Arthur J. (W3RFB)
807-A Balmoral Court, Lakewood, NJ 08701

STRONG, Leslie H.
R.R. 1, Box 250, Orleans Rd., Chatham, MA 02633

STUHLER, Robert E. (W2OQ)
22 Brightwater Place, Massapequa, L.I., NY 11758

STURGIS, William J., Jr. (W3ZSQ)
108 West Burton Lane, Folcroft, PA 19032

SUTHERLAND, James A. (W3CJT)
2100 Brooks Dr., Apt. 716, Suitland, MD 20028

SWANSON, John W. (K4AX)
3300 N.E. 36th St., Apt. 1521
Ft. Lauderdale, FL 33308

SWANSON, Mark W.
2830 Seaspray St., Sarasota, FL 33581

SWENSON, Walter J. (W1CA/K1CA)
R.F.D., Gossville, NH 03239

*TAMBURINO, Anthony C. (K4BX)
6708 Farragut Ave., Falls Church, VA 22042

TAYLOR, William C.
75 Spring Valley Rd., Park Ridge, NJ 07656

TELLET, G. Geoffrey
31-A Maplehill Rd., Valhalla, NY 10595

TEMPLE, Dwight I. (W2ATM)
163 Weyman Ave., New Rochelle, NY 10805

THOMMEN, Gilbert G. (W2TI)
1150 Meadowlake Dr., Apt. 8, Vista, CA 92083

THOMPSON, Leroy, Jr., Col. (W4BRF)
6450 Overlook Dr., Pinecrest, Fairfax Co., VA 22312

THOMPSON, William H.
11086 Frontier Dr., Sun City, AZ 85351

*TRACY, John B., Jr. (W4BC)
229 Ellwood Ave., Satellite Beach, FL 32935

TRUSH, Paul A. (K2MTJ)
63 North Livingston Ave., Livingston, NJ 07039

TUNNELL, G. W. (Bill)
29 South Shirley Ave., Morrestown, NJ 08057

TURNER, George S. (W3AP)
851 Camino Real, Royal Oak Hills
Boca Raton, FL 33432

*VAN DYCK, Arthur F., Capt. USNR (Ret.)
P.O. Box 2457, Vero Beach, FL 32960

*VILLANDRE, Victor P.
623 Kenosha Ave., Norfolk, VA 23509

VOGT, Weldon M. (W5DES)
P.O. Box 25, Galveston, TX 77550

VOSE, George E.
21 Herman Ave., Darien, CT 06820

WAINWRIGHT, Philip B. (K2GV)
6 Braham Ave., Amityville, NY 11701

WALDO, George V. (W3NS)
3416 42nd Ave., Colmar Manor, MD 20722

WALTON, Robert C., Col. USMC (Ret.) (W6CYL)
680 South 15th St., San Jose, CA 95112

WARSHAW, David
R.F.D. 1, Box 141, Quaspeck Blvd.
Valley Cottage, NY 10989

*WATTS, W. Walter (W4V1/2)
Penthouse C, 22 E. 88th St., New York, NY 10028

WEBER, Emil (W2KKR)
2038 Mount Hope Lane, Toms River, NJ 08753

WEBSTER, Edward M., Commodore, USCG (Ret.)
The West Wood, 5101 Ridgefield Rd.
Bethesda, MD 20016

WEIR, Richard, Jr. (W2AIZ)
27 Weir Rd., Locust Valley, NY 11560

WENDEBORN, Robert H.
495-B Thornbury Court, Lakewood, NJ 08701

WESTMAN, Harold P.
R.D. 4, Gahamtown Rd., Middletown, NY 10940

WHITE, Thomas C.
205 Western Ave., Gloucester, MA 01930

*WILKS, Hatton C. (W1BC/W2BC)
18 Tingley Lane, Edison, NJ 08817

*WILLETS, Gilson V.
P.O. Box 81, Villa Grande, CA 95486

WILLIAMS, Henry, Jr., Capt. USN (Ret.)
3610 Thornapple St., Chevy Chase, MD 20015

WILLS, Milton C. (Mickey) (W8CPB)
545 North Main St., Amherst, OH 44001

WILSON, Vernon P. (W3MA)
1028 King Road, Malvern, PA 19355

WILSON, Willard S., Lt. Col. USAF (Ret.)
(W3DQ/KP4DQ)
7 Lindsey Place, Wilmington, DE 19809

*WINNER, Louis
152 W. 42nd Street, New York, NY 10036

WINTER, Arthur C. (W2ADB)
27 Grayson Place, Teaneck, NJ 07666

WOHLER, W. Earle (W6FS)
7531 East Hurlbut Ave., Sebastopol, CA 95472

WOLFE, Benjamin (W2DGR)
4201 Cathedral Ave. N.W., Washington, DC 20016

WOLFF, Stanley (W2HIQ)
Ward Ave., Crosswicks, NJ 08515

WYKOFF, Oliver A., Sr.
342 St. Marks Ave., Bellmore, NY 11710

ZIMMERMAN, Herman
165 Lyons Rd., Scarsdale, NY 10585

*Life Member.

Anatomy of a Magic Kingdom.

The new playground at Walt Disney World depends on an electronic nervous system designed and built by RCA.

The nervous system uses virtually all of RCA's electronic technology. It carries the information—from automated hotel reservations to Mickey Mouse's voice—that makes Walt Disney World's Magic Kingdom near Orlando, Florida come alive. RCA designed the system after doing a complete systems analysis of the playground. The result is the most sophisticated electronic installation outside of the U.S. government.

In Adventureland "crocodiles" threaten your boat. To help prevent real-life danger, hosts on boats, monorail trains and service vehicles communicate fast over RCA mobile radios.

The Polynesian Village has 500 guest rooms, each overlooking a tropical setting. And each with an RCA color television set, like all Walt Disney World hotel rooms.

You can golf on two 18-hole championship courses. RCA monitoring systems watch over everything from golf course sprinklers to fire alarms.

The RCA Service Company maintains systems, from communications to power switching equipment.

The Cinderella Castle soars 18 stories above Fantasyland, featuring the Mickey Mouse Revue. An RCA electronic cable system carries signals that make 85 Disney characters sing and dance.

The 1,057-room Contemporary Resort-Hotel. RCA information systems make service at Walt Disney World hotels fast and reliable, from reservation to checkout.

Walt Disney World is RCA at work. A whole spectrum of our technologies linked in an electronic nervous system. It will help take you—and 10,000,000 people a year—away from it all, into a Magic Kingdom.

RCA



TELE-MEASUREMENTS INC.

From Wireless to Radio — — and Now — —
TELEVISION

We have been actively associated with all phases of electronics. During the past 12 years, our efforts have been directed in the field of television.

Tele-Measurements has designed and installed television closed-circuit systems and equipment for —

New York Telephone Co.
Roosevelt Hospital
Downtown Athletic Club
Bell Telephone Labs
State University of New York
Ithaca College

State University of New York

United Nations
Hunter College
Macy's
Fort Monmouth
Pratt & Whitney
Union Carbide

American Telephone & Telegraph

West Point Military Academy
Heisman Trophy Award
Merv Griffin Shows
Columbia University
Rutger's University
Newington Childrens Hospital

Our television installations have covered complete TV studios, educational TV, industrial television, surveillance TV, and Large Screen television for auditorium viewing.

Tele-Measurements designed light boxes and slides for TV camera alignment.

All commercial, educational and military studios in the U.S.A. and overseas use our Tele-Pat light boxes and Tele-Slides to maintain high standard of TV camera performance.

We are proud to be part of America's electronic growth.



TELE-MEASUREMENTS INC.
145 Main Avenue
Clifton, New Jersey 07014
201-473-8822 or 212-581-9020

J. R. Poppele
President